

Fig. 1

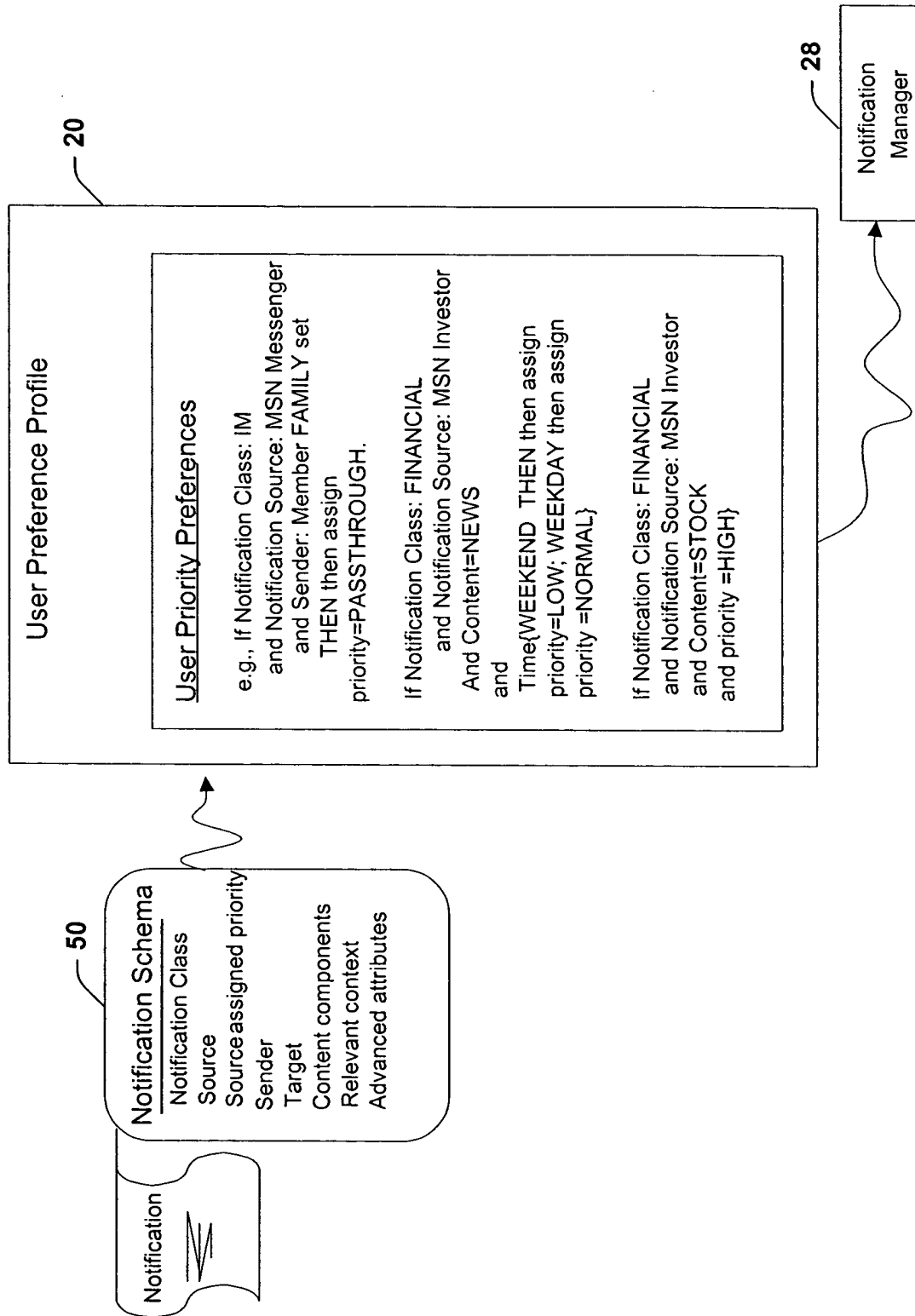


Fig. 2

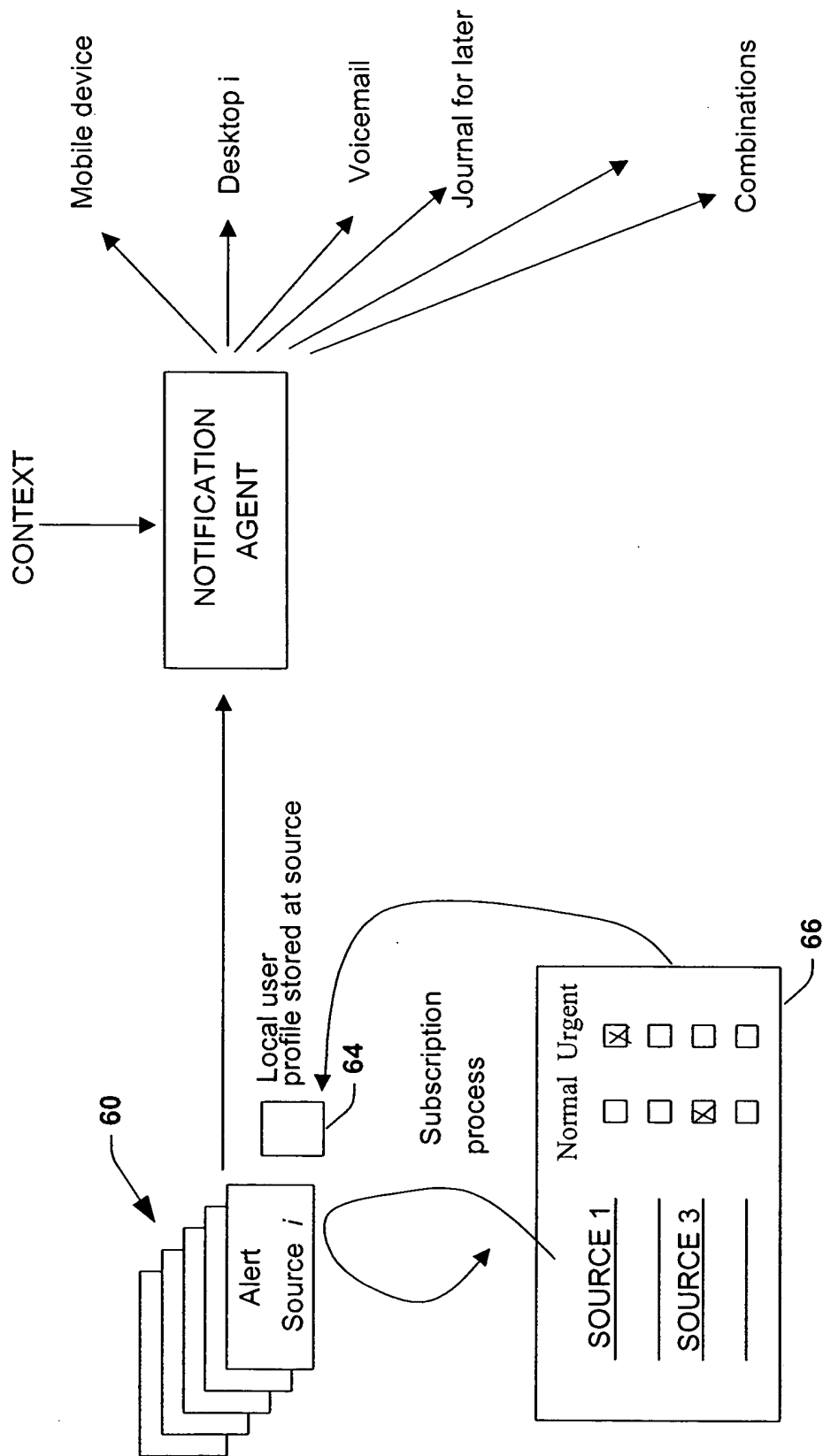


Fig. 3

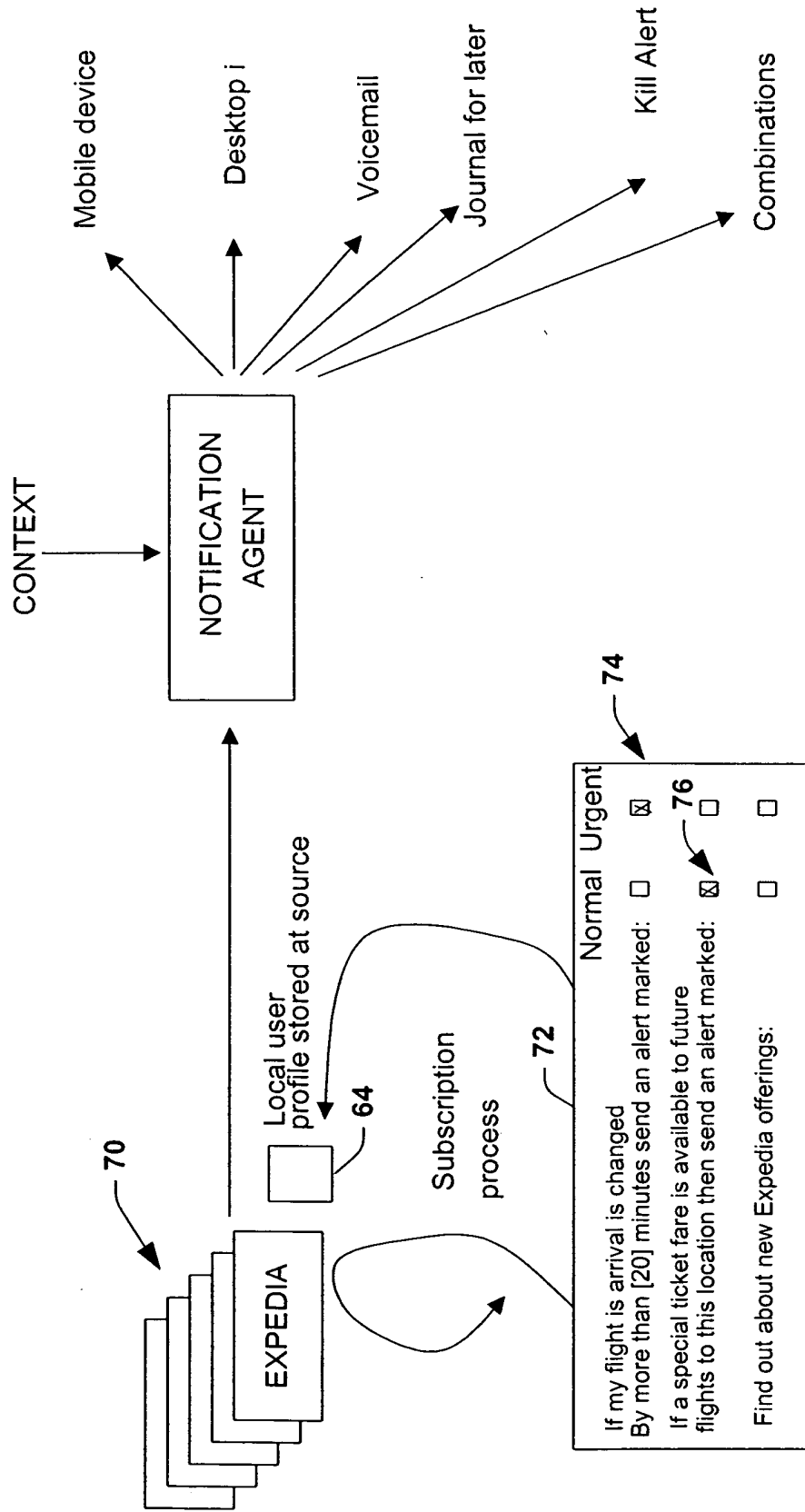


Fig. 4

Notification Preferences Editor

Context:

- Calendar: Open, Normal Meeting, Normal Meeting OOF, Critical Meeting, Critical Meeting OOF, etc. 80
- TimeOfDay: Weekend/Weekday x Morning, LunchTime, Afternoon, Evening, LateNight, WeeHours, etc. 82
- ActivityOnDevice: AtDesktopDeviceNow, NotAtDesktopDevice 86

Source Type 88

- Human Contact: Subclass: Voice, Email, IM, etc. From: ContactClass
- Automated Alert: Financial, Weather, Traffic, Travel_Mtg_Coordination, etc.

Human Contact: ContactClass 90

Key Associates 92

Family 94

InAddress Book 96

Notification Agent Policies 98

- If SourceType HumanContact.IM and ContactClass = KeyAssociate and Calendar= NormalMtg.OOF then <Forward to mobile device>
- If SourceTypeTravel_Mtg_Coordination.Expedia and Priority=Urgent then <Forward to mobile device>
- If SourceTypeTravel_Mtg_Coordination.Expedia and Priority=Normal then <Journal for browse>

Fig. 5

- *Bounded-Deferral Policy*
 - Wait for a "user available state" unless hit time bound, then disrupt
 - List of busy / available states, per context
 - Urgency-sensitive time bounds
 - $t(\text{high})=t_1 < t(\text{med}) = t_2 < t(\text{low}) = t_3$
- Bounds can depend on context (e.g., workload), number of msgs received, etc.

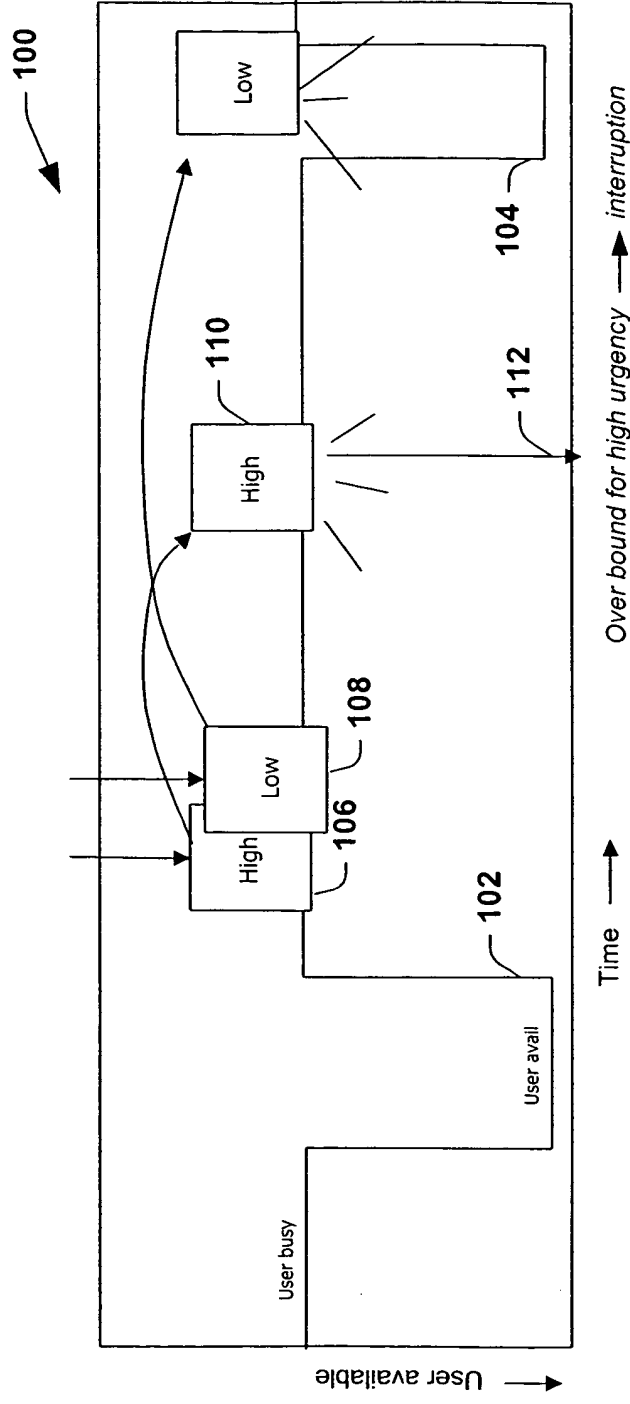


Fig. 6

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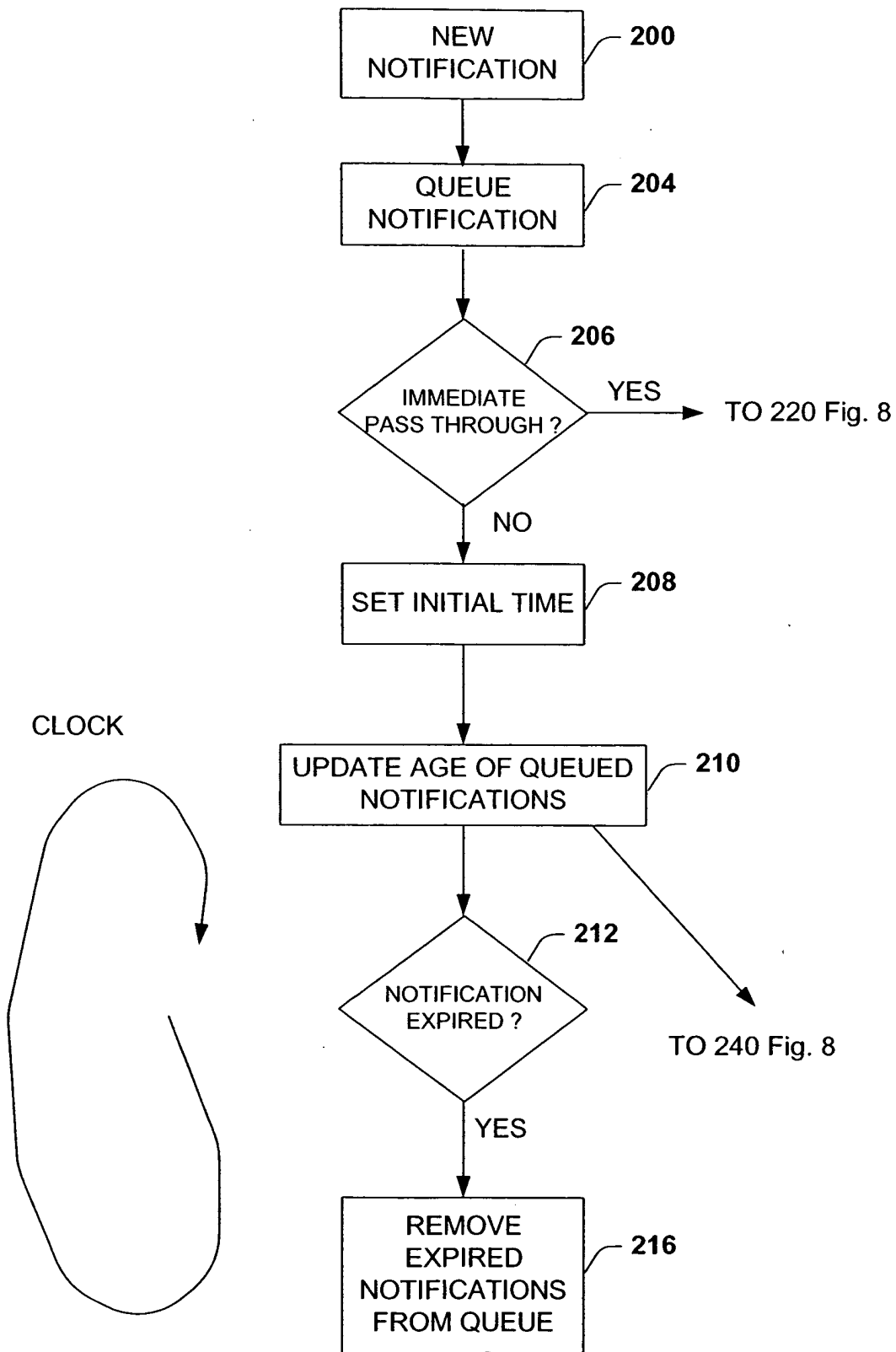


Fig. 7

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graph TD
    206[FROM 206 Fig. 7] --> 220{USER PRESENT AT DESKTOP?}
    220 -- YES --> 224[REMOVE SPECIFIC NOTIFICATIONS FROM QUEUE]
    224 --> 230{CALENDAR INDICATES UNINTERRUPTIBLE MEETING?}
    230 -- YES --> 232[TRANSMIT MOBILE DEVICE, UPDATE NOTIFICATION JOURNAL]
    230 -- NO --> 228{USER MOBILE ENABLED?}
    228 -- NO --> 226[UPDATE NOTIFICATION JOURNAL]
    228 -- YES --> 230
    220 -- NO --> 242{ANY NOTIFICATIONS OVER MAX DEFERRAL TIME?}
    242 -- YES --> 244[REMOVE SPECIFIC NOTIFICATIONS FROM QUEUE]
    244 --> 228
    242 -- NO --> 240{USER PRESENT AT DESKTOP?}
    240 -- USER JUST RETURNED --> 246[RENDER UNSEEN NOTIFICATIONS AND/OR JOURNAL]
    240 -- YES --> 248{LIKELY AVAILABLE STATE DETECTED?}
    248 -- YES --> 250{ANY NOTIFICATIONS OVER MAX DEFERRAL TIME?}
    250 -- YES --> 224
    250 -- NO --> 248
    248 --> 252[RENDER PENDING NOTIFICATIONS AND/OR JOURNAL]
  
```

Fig. 8

Fig. 8

E-mail

People **Priority Score** **Basic Policy** **Advanced Policies** **Custom Cues**

Deadlines

E-mail with a Priority Score of ...

100	_____	<i>should be seen within:</i>	_____	5 min
50	_____		_____	60 min

— 262

Contexts

I interact one with E-mail in this context

only if Priority Score exceeds

I'm busy working	_____	90
A Meeting	_____	74
A Critical Meeting	_____	95
After Hours	_____	71

— 264

Fallbacks

If I can't deliver E-mail by the deadline according to the contexts

- ☐ Send immediately.
- ☒ Wait for a good time, but always meet deadline — 270
- ☐ Wait for a good time, even if after deadline

— 266

Fig. 9

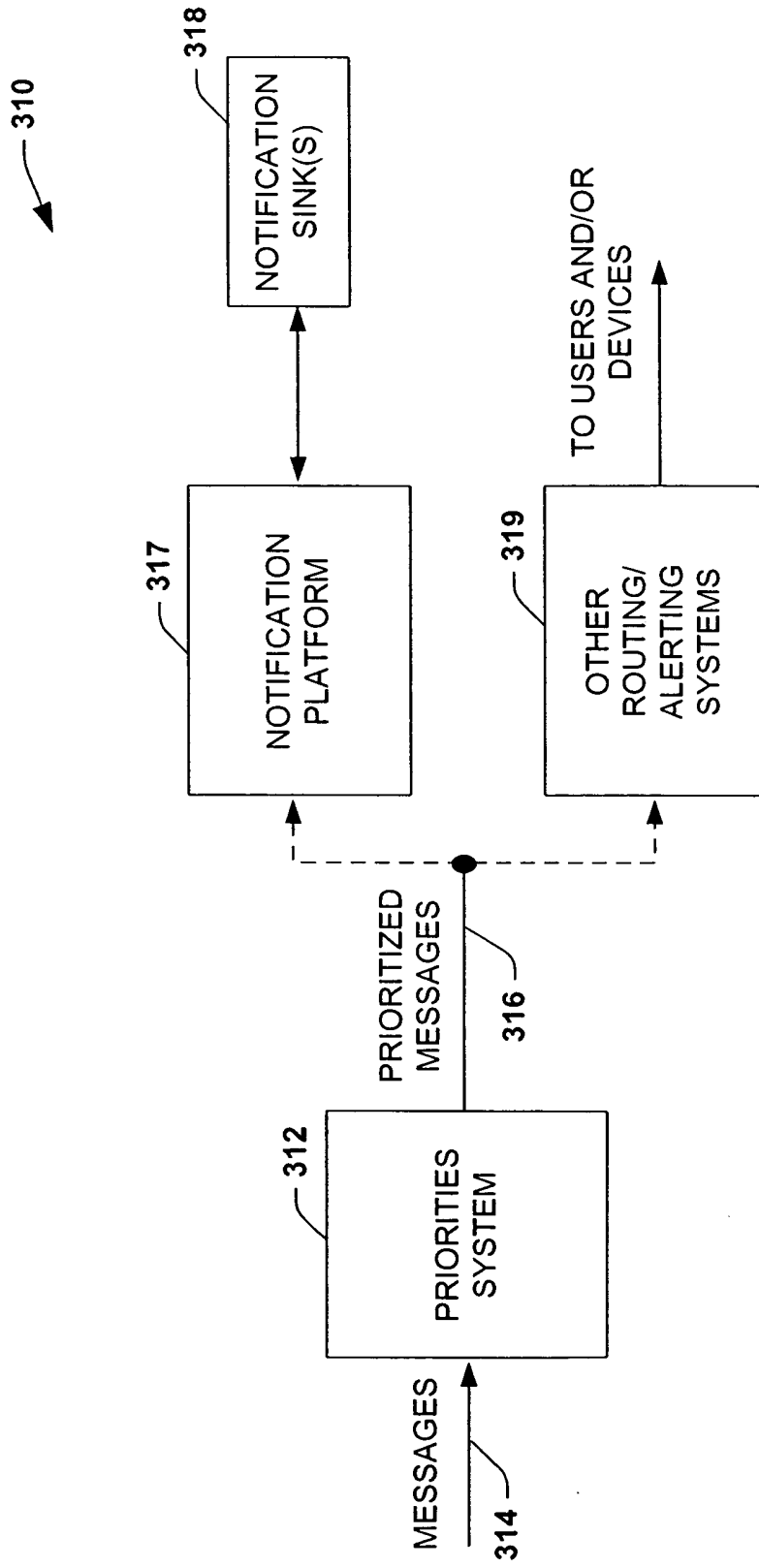


Fig. 10

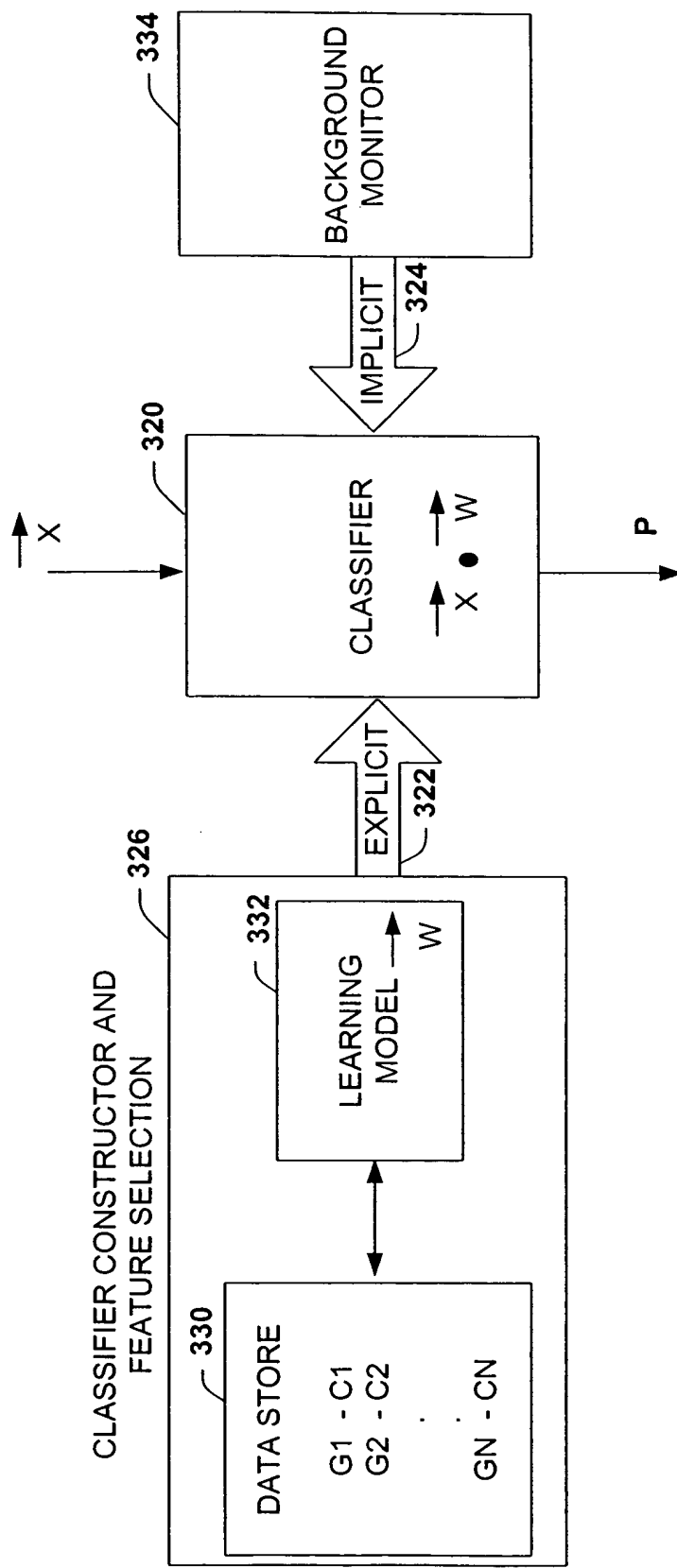


Fig. 11

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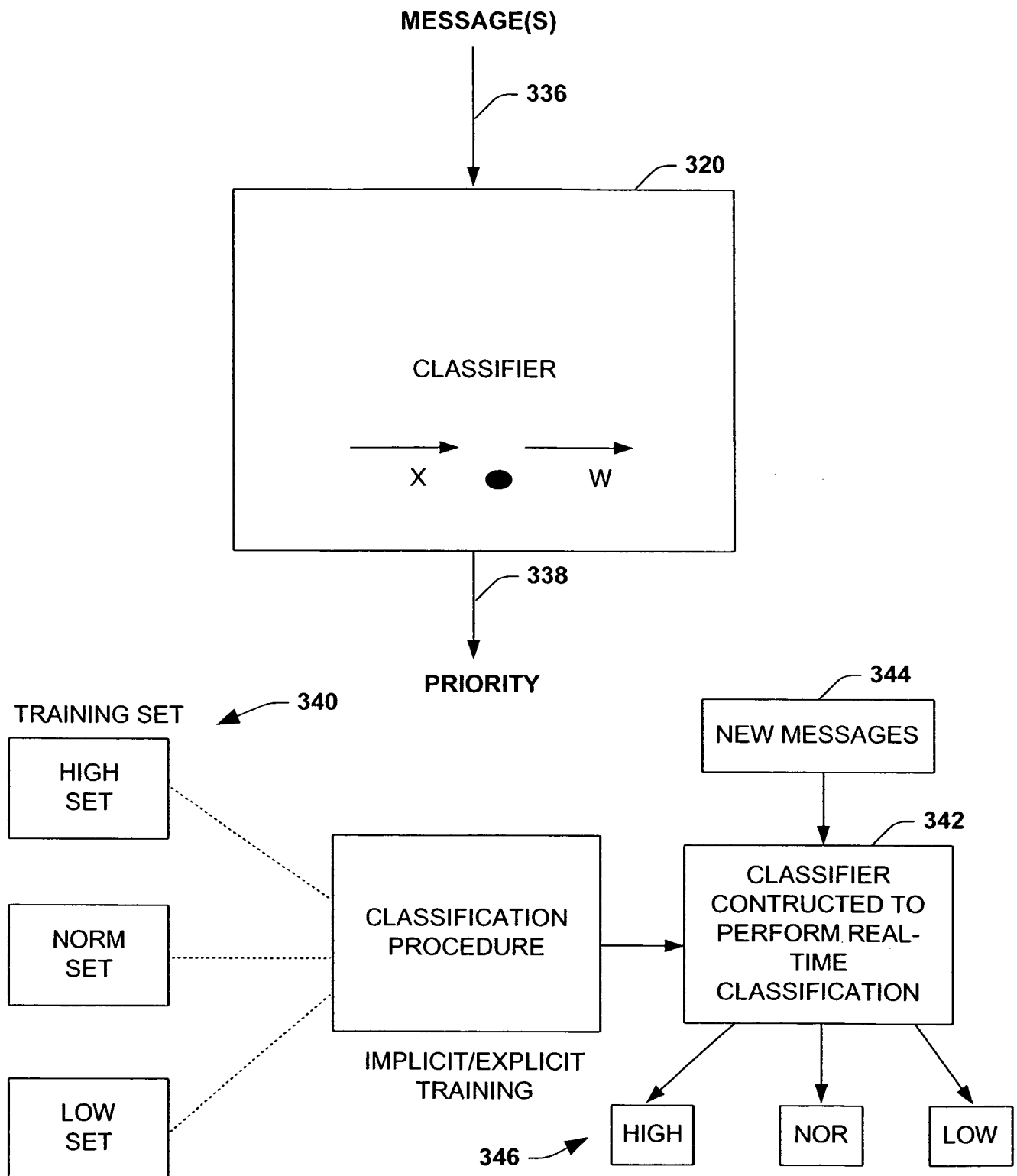


Fig. 12

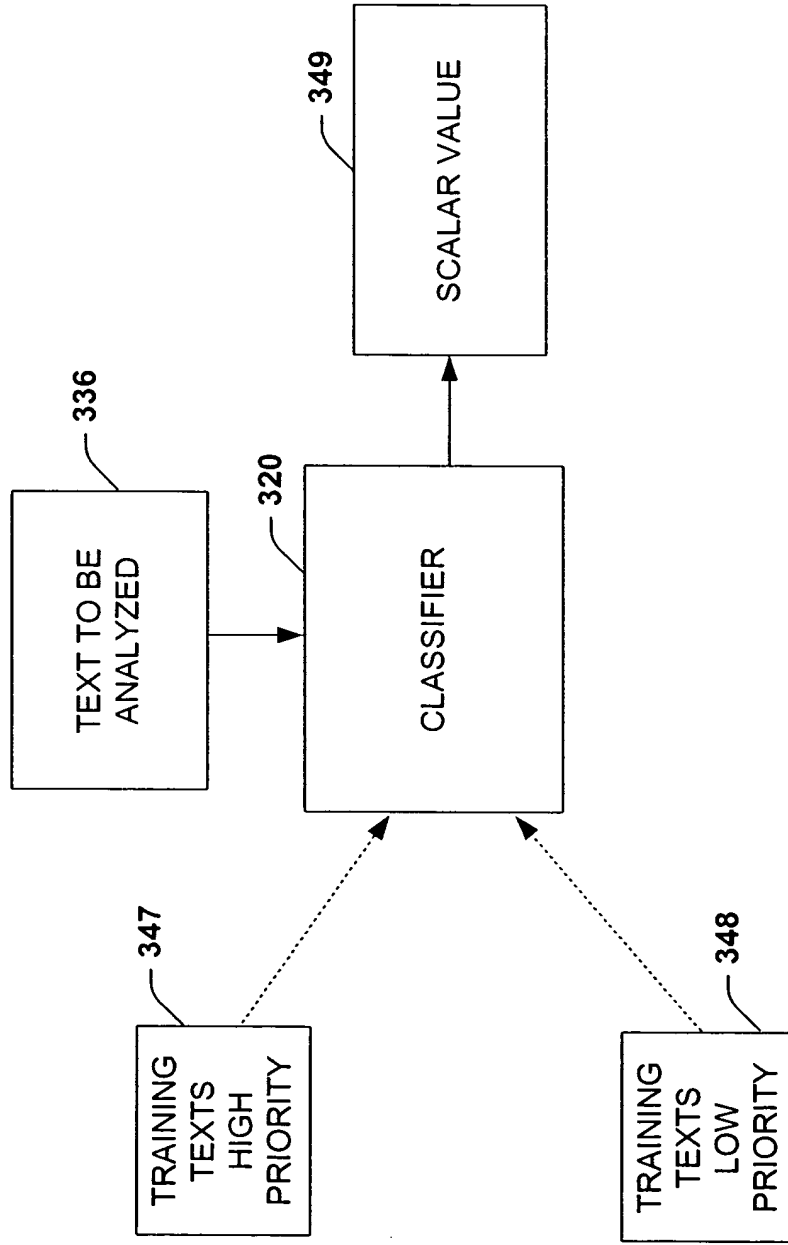


Fig. 13

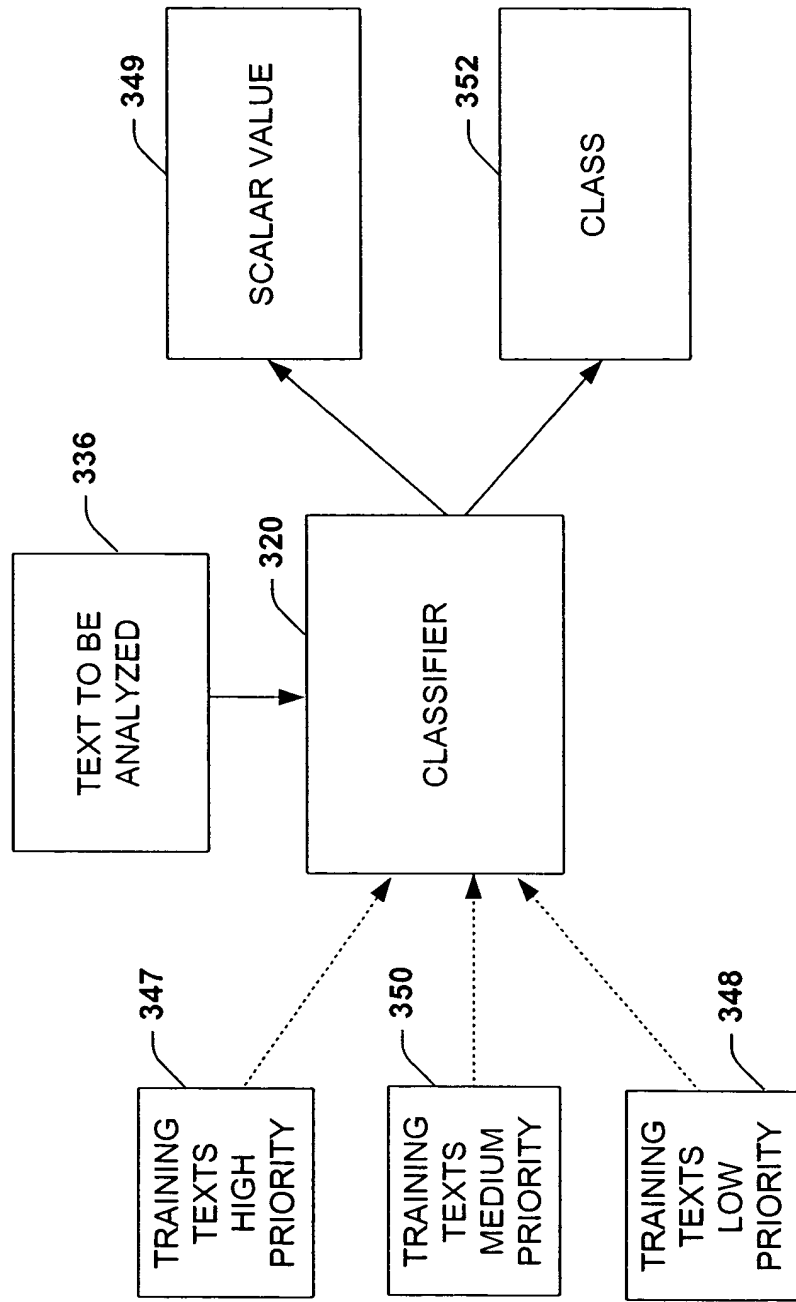


Fig. 14

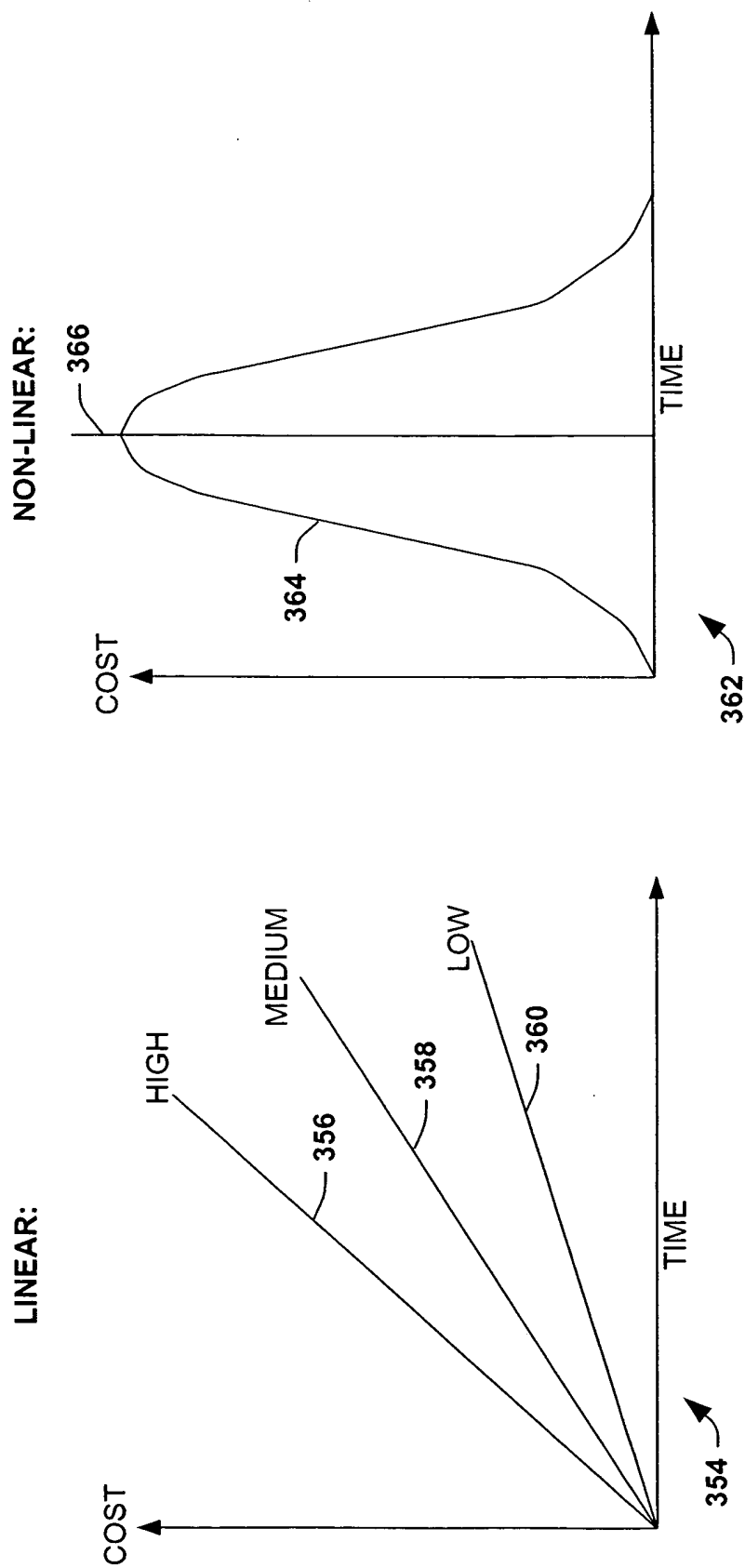


Fig. 15

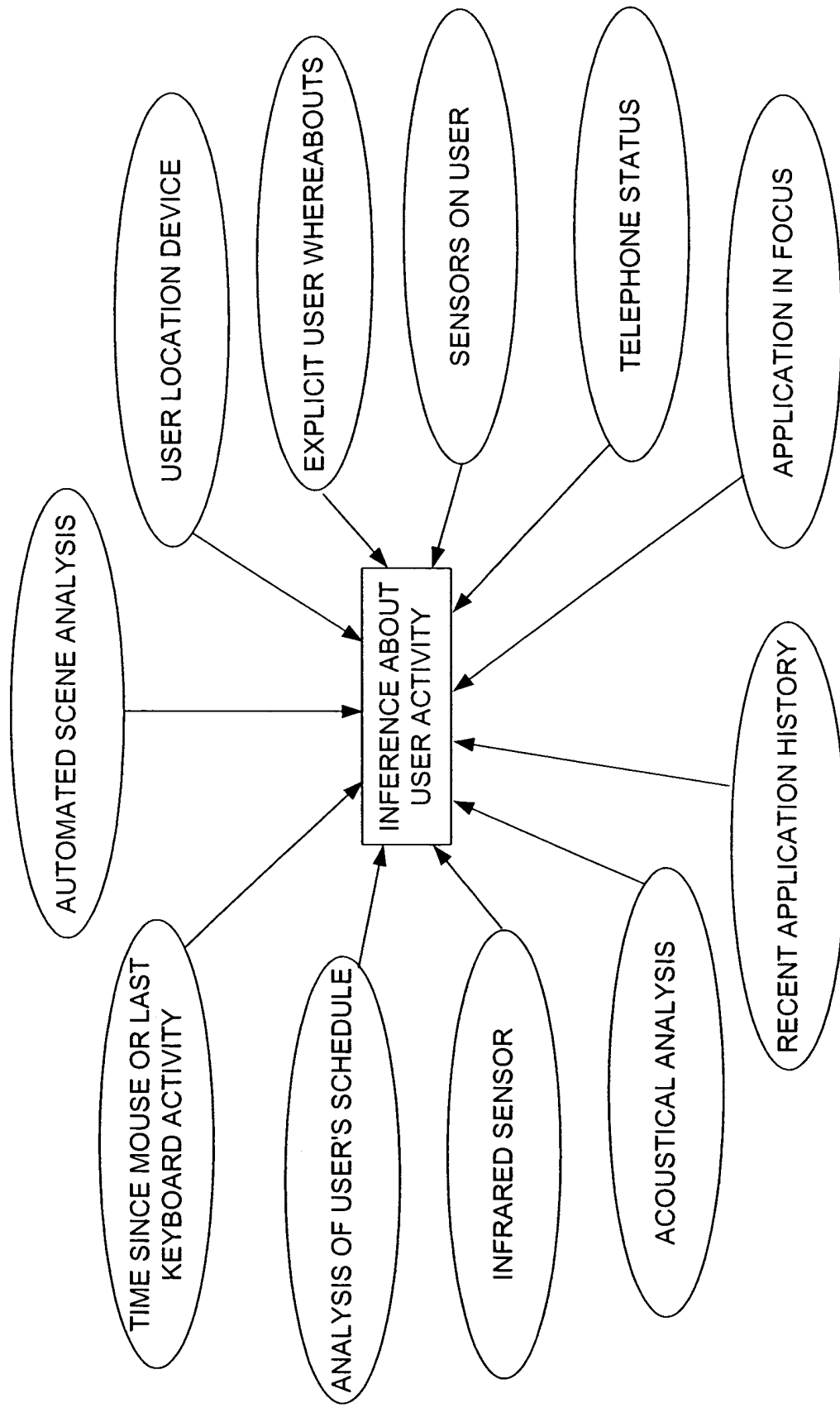


Fig. 16

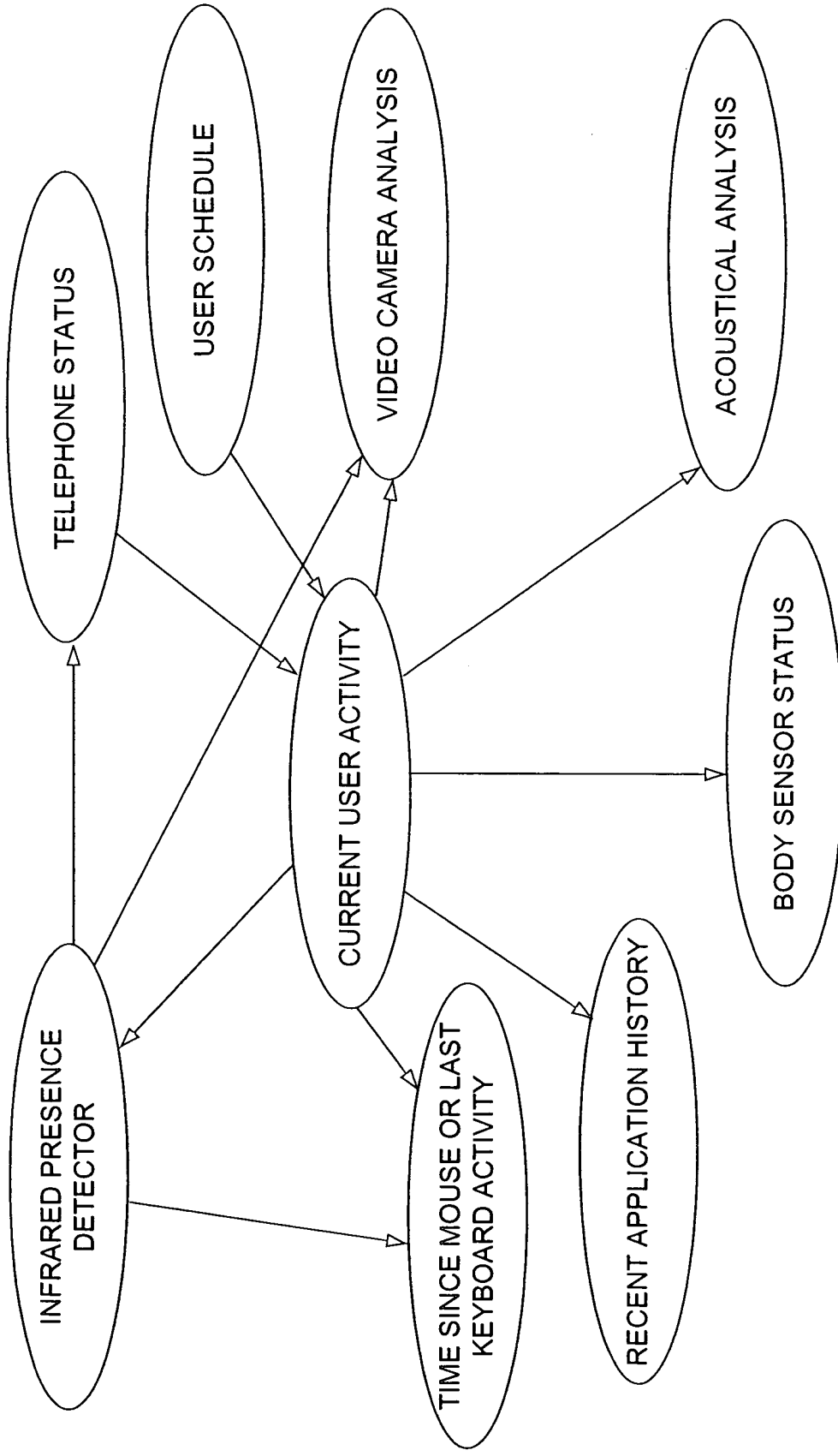


Fig. 17

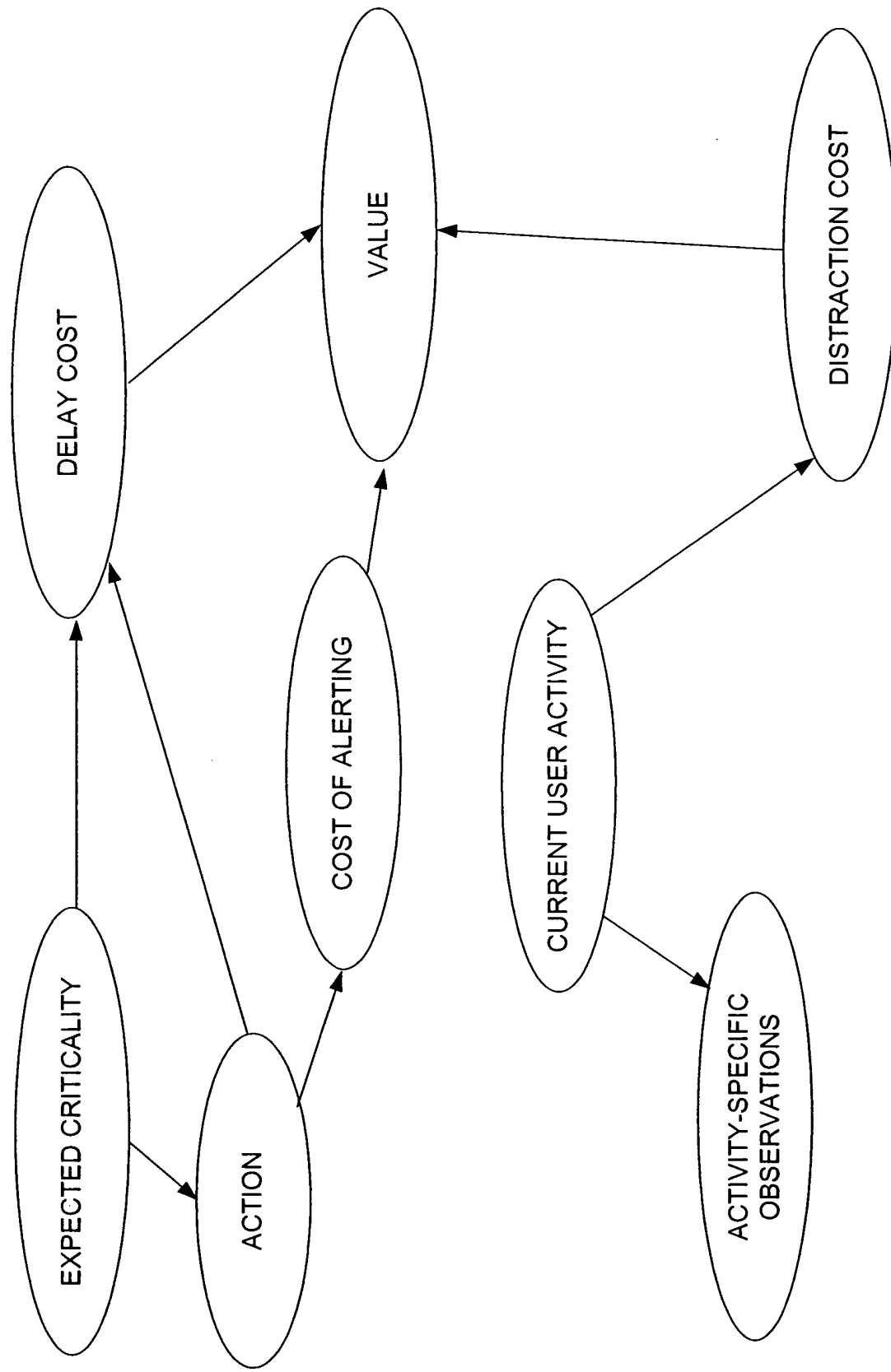


Fig. 18

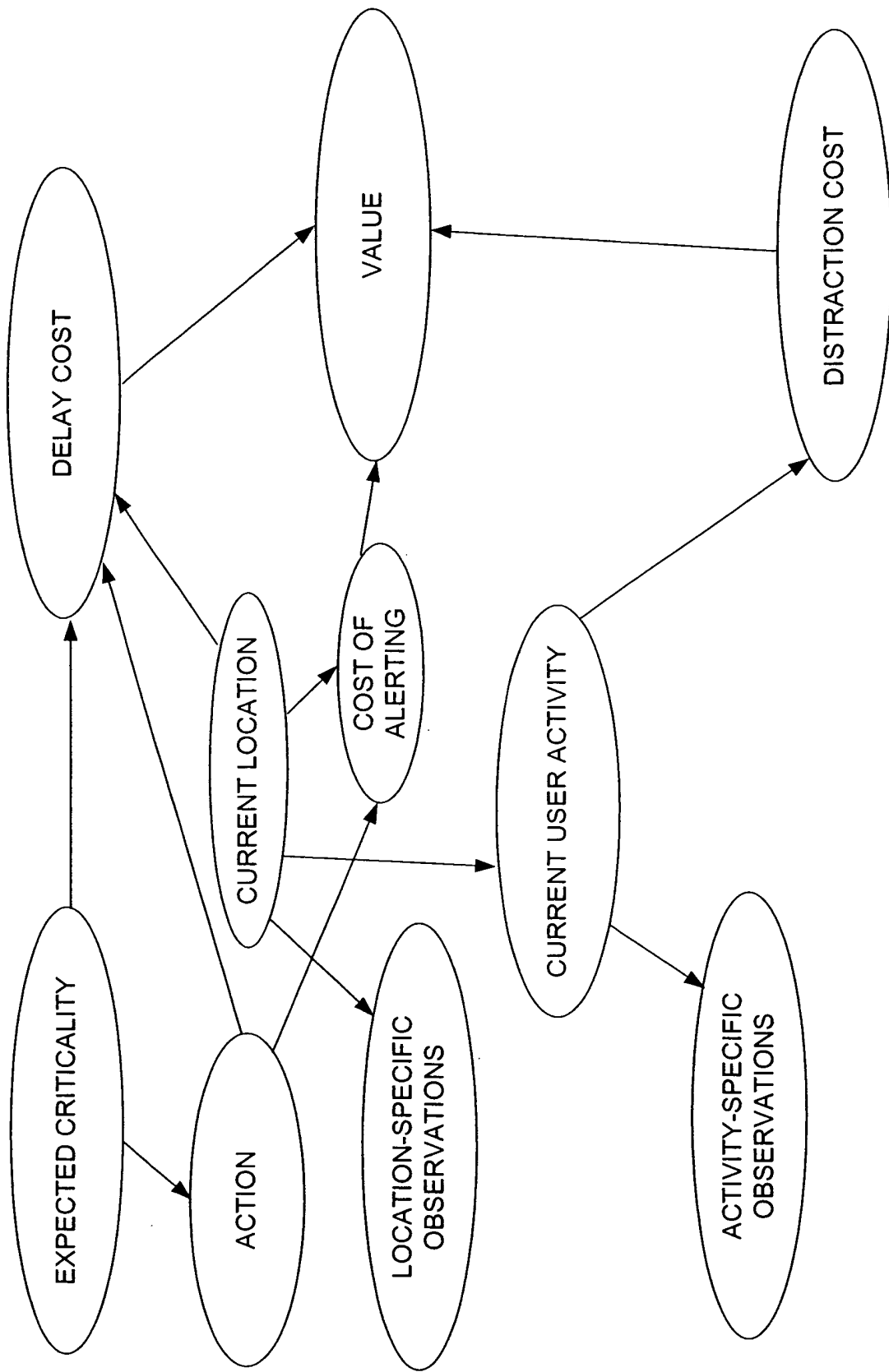


Fig. 19

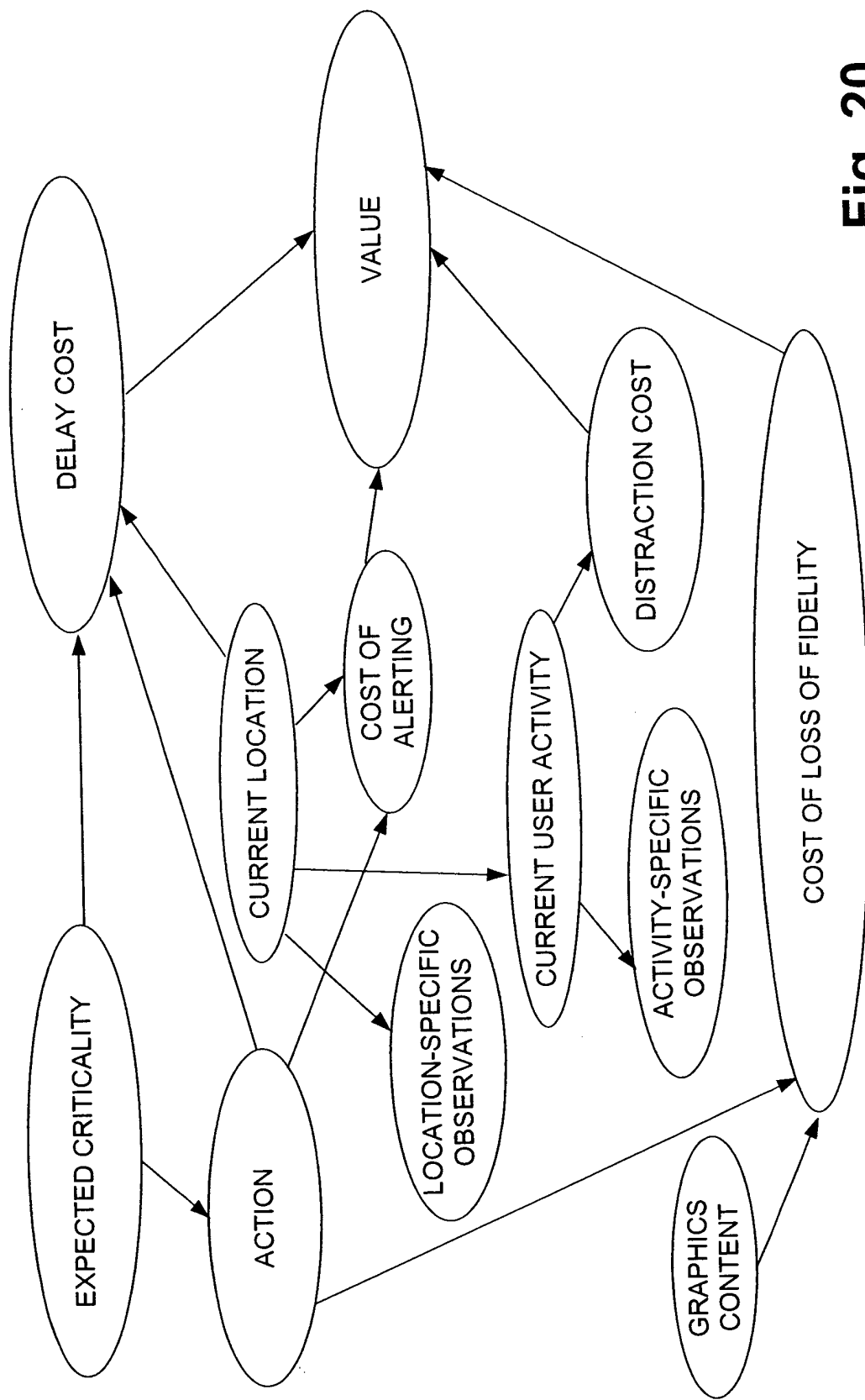


Fig. 20

09881502-061401
FOI b 7 - D, b 7 - C, b 7 - E, b 7 - F

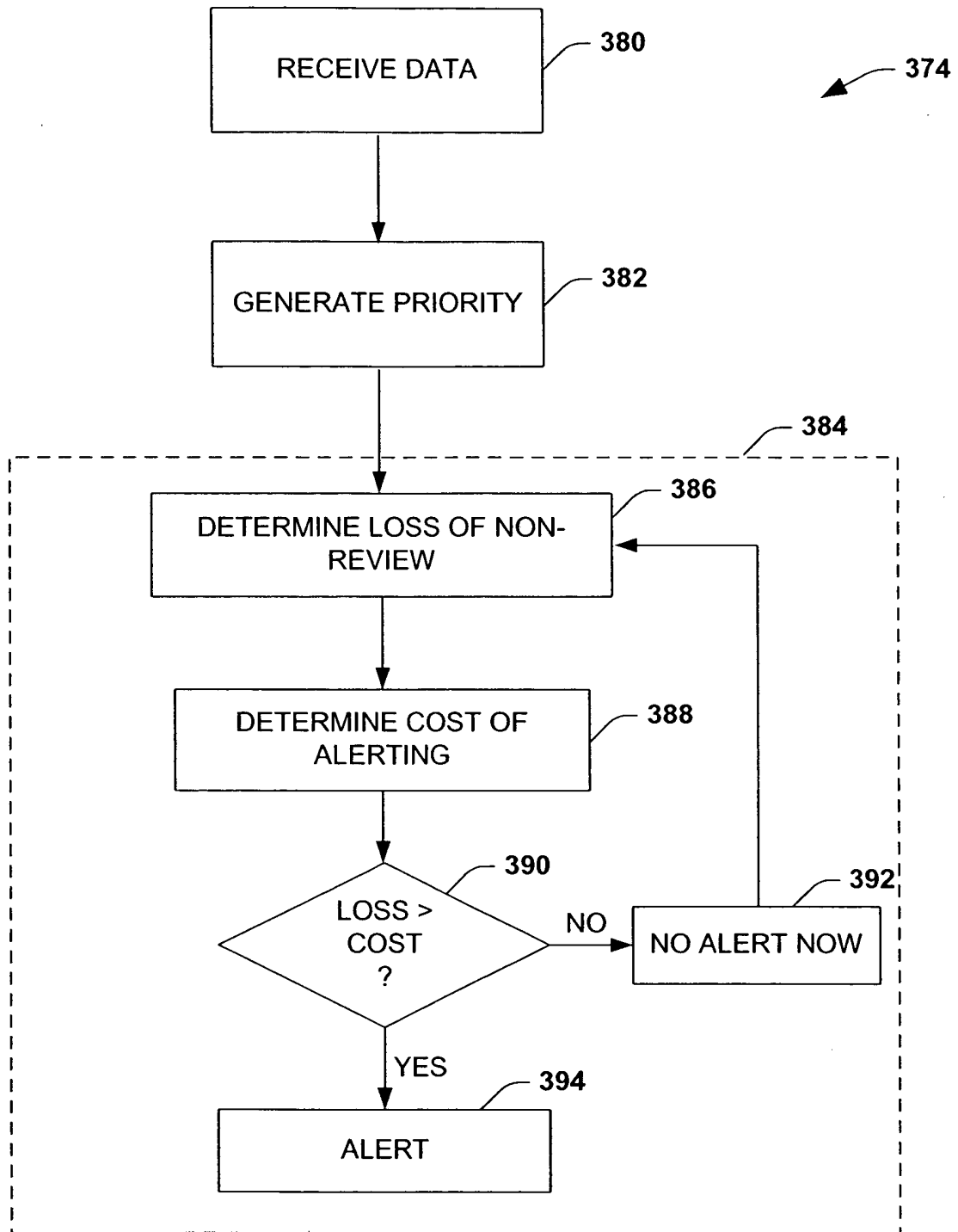


Fig. 21

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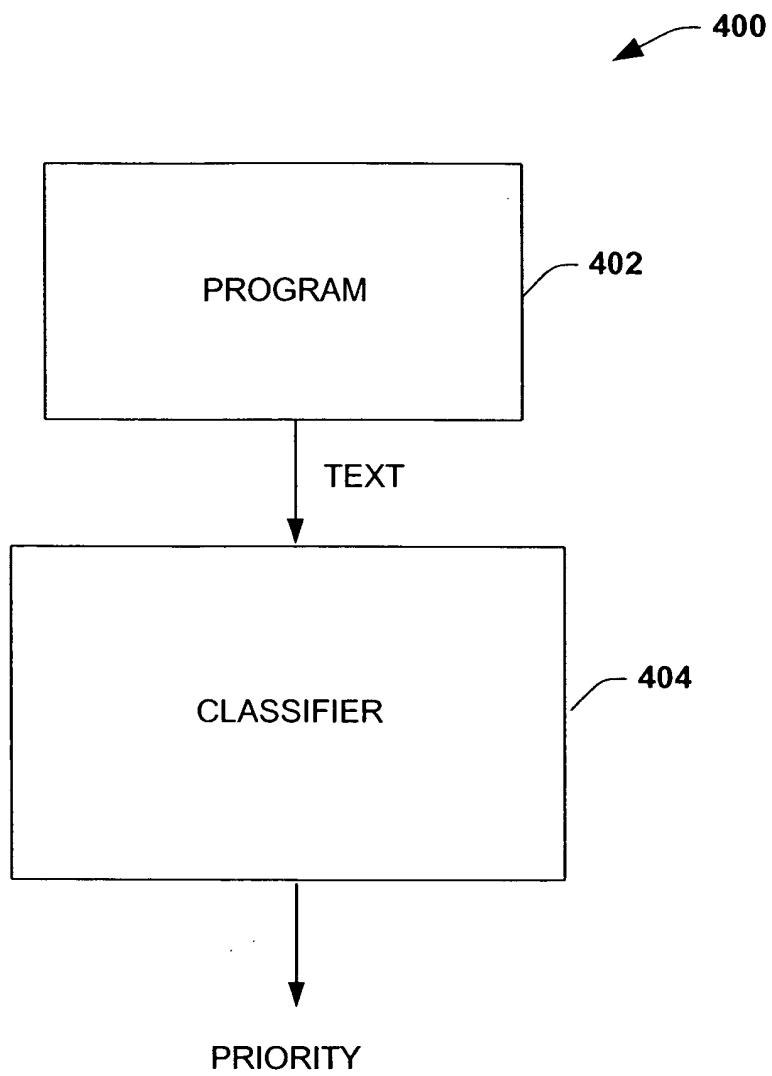


Fig. 22

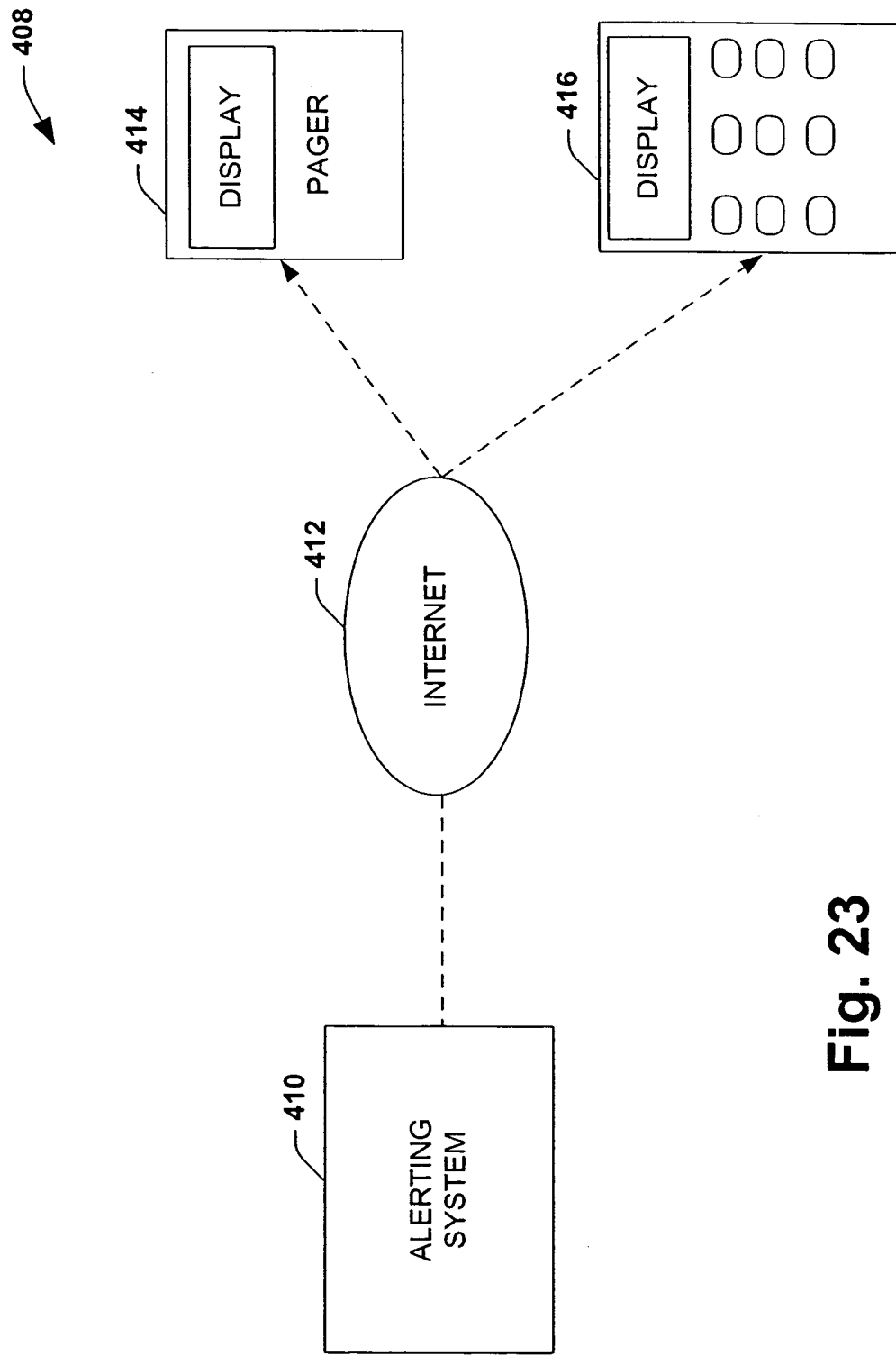


Fig. 23

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T.04750, 2057860

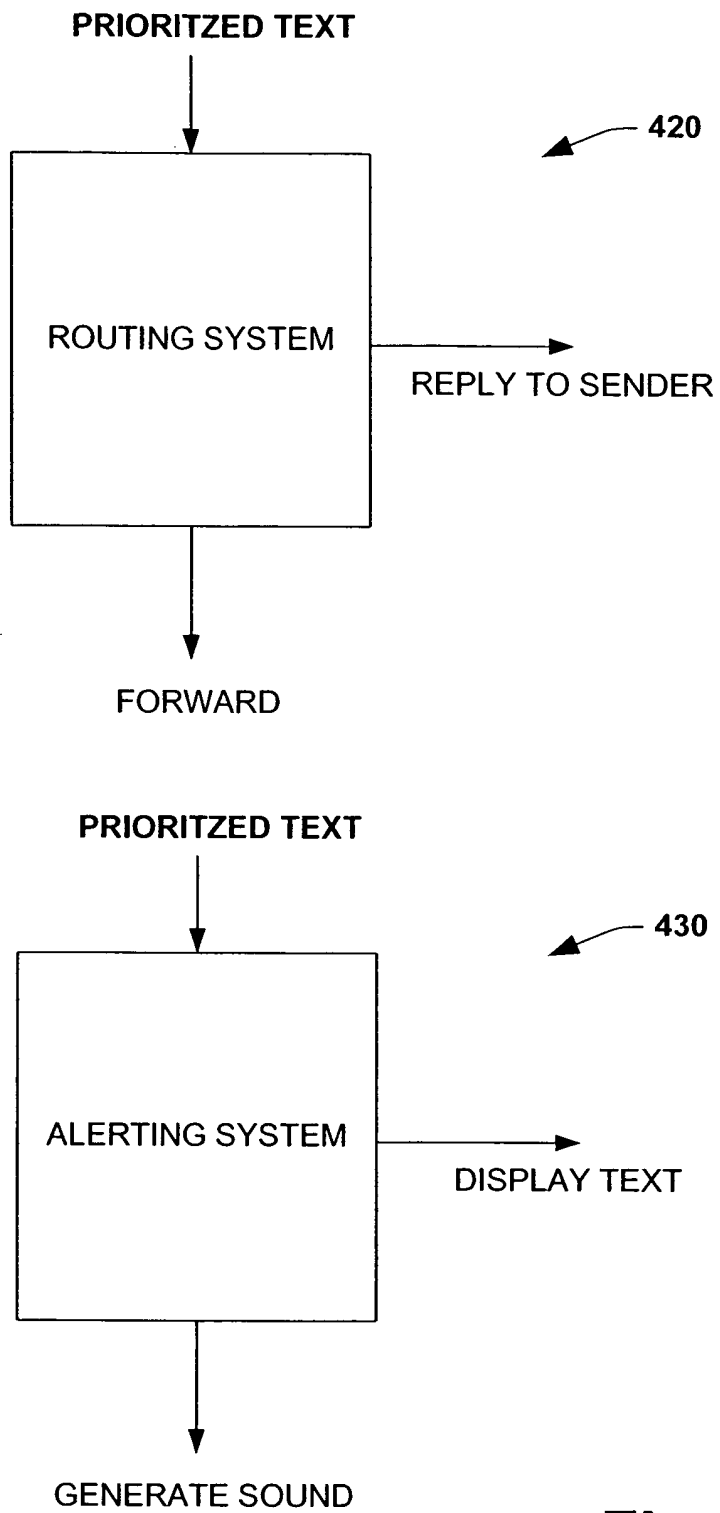


Fig. 24

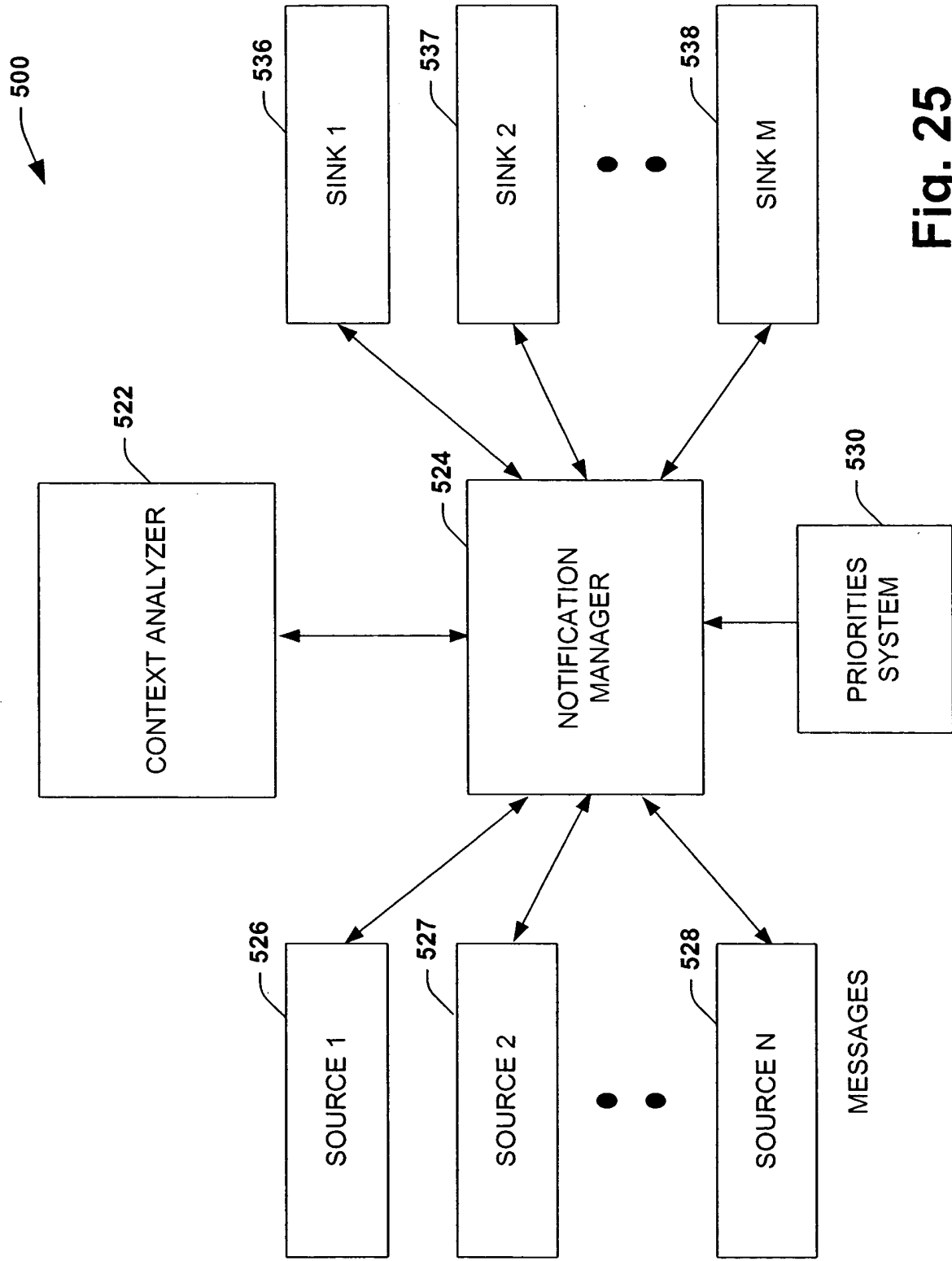


Fig. 25

550

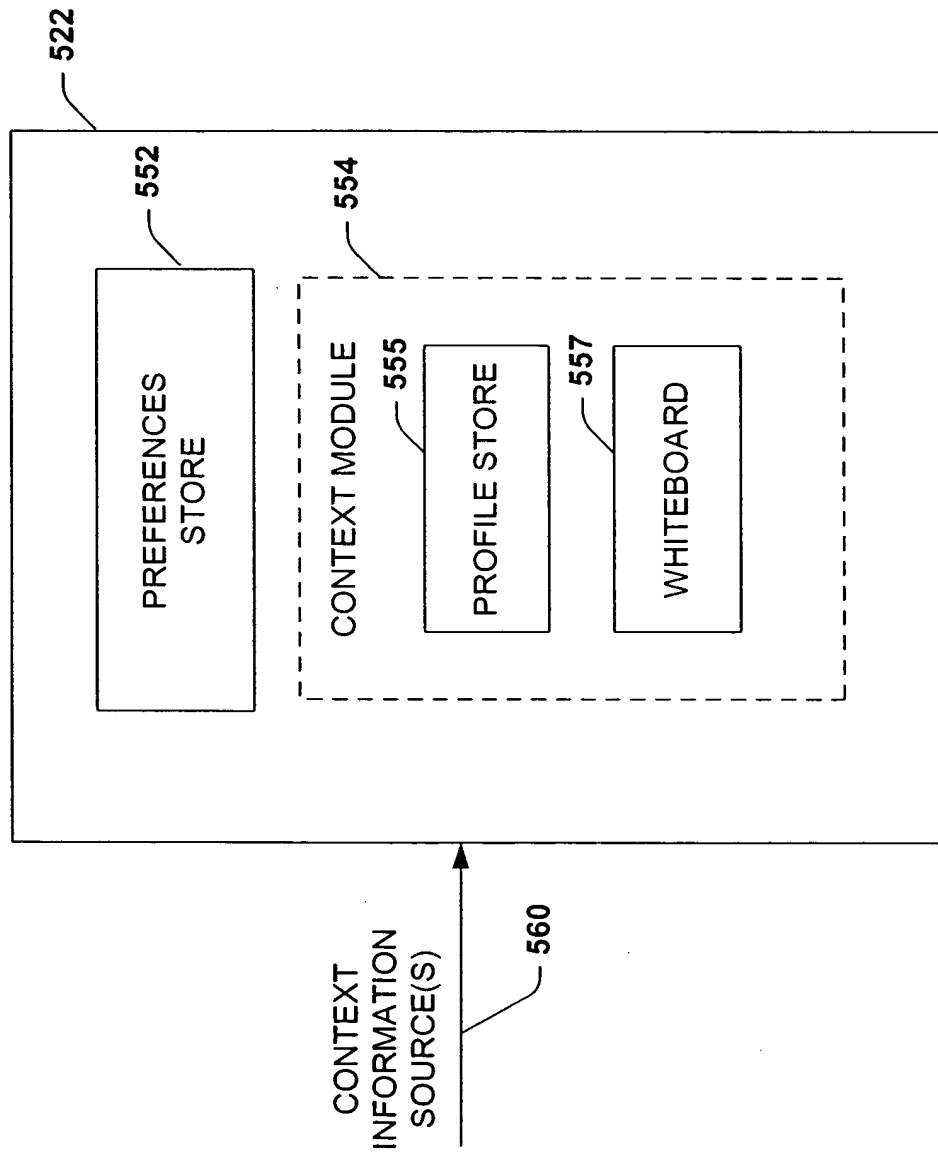


Fig. 26

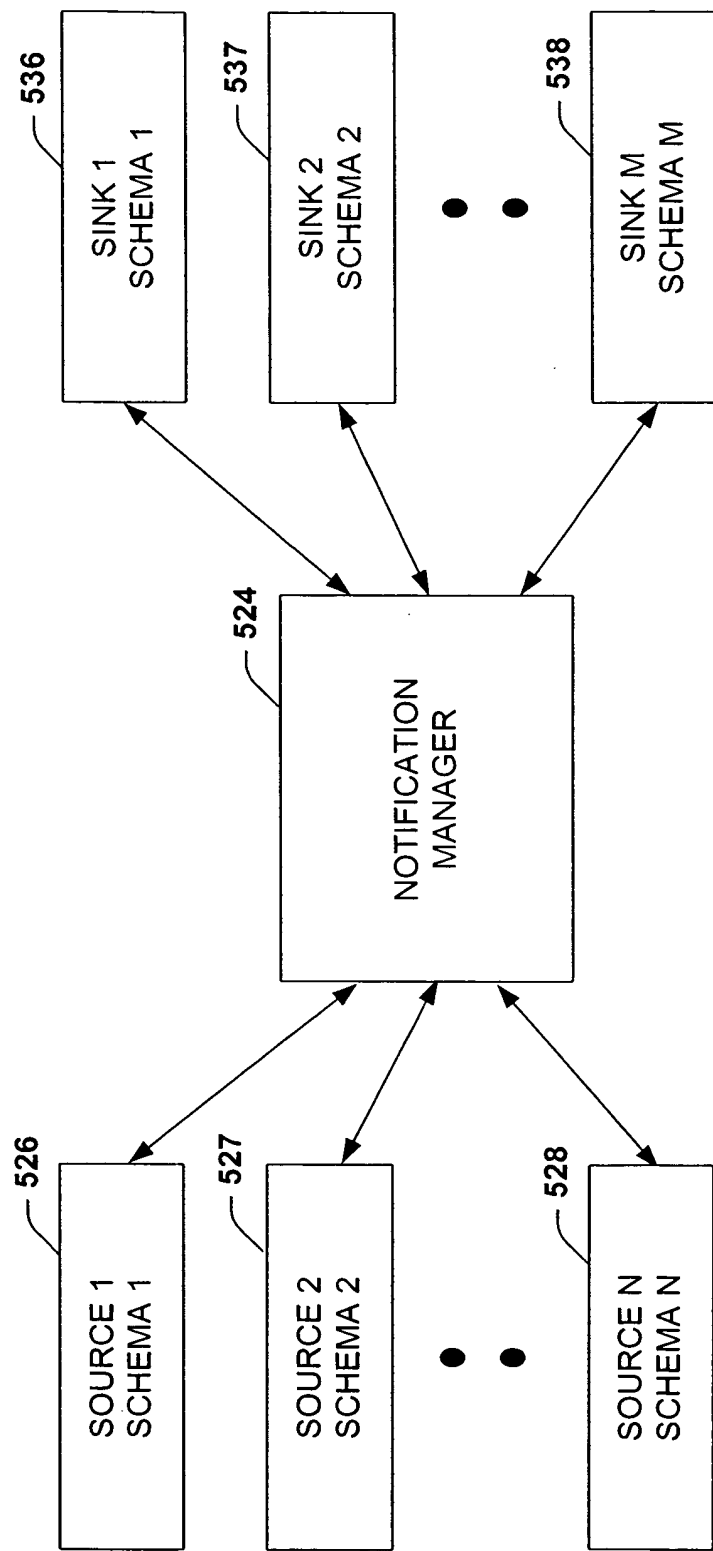


Fig. 27

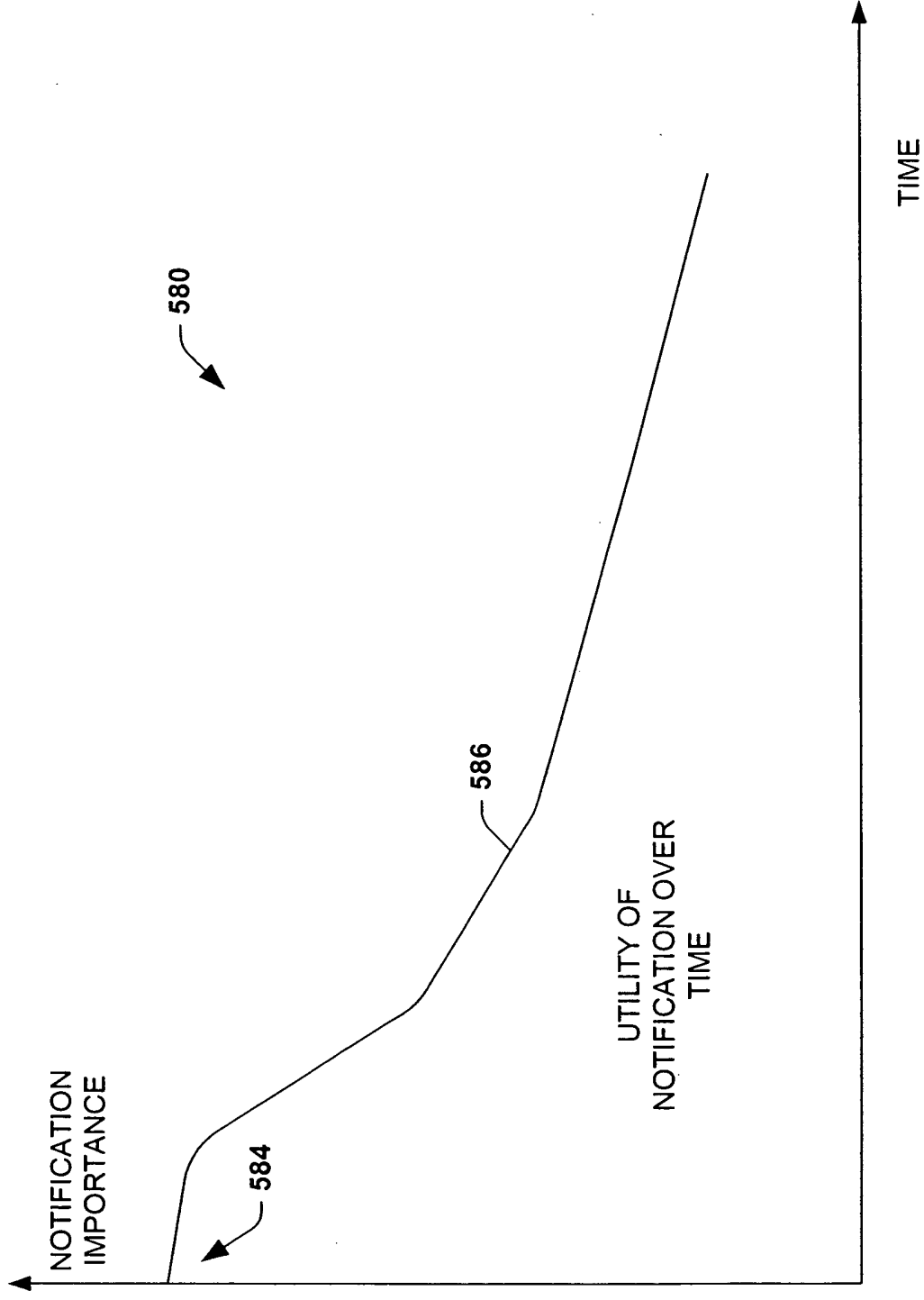


Fig. 28

Options

591

I am

☐ always available

☒ never available

☐ available for alerts with an importance greater than \$ 10 600

596

598

Notify me

☐ at my desktop

☐ by e-mail

☐ at my laptop

☐ on my cell phone

☐ in my car

☒ on my pager

☐ on my PDA

602

594

592

590

Fig. 29

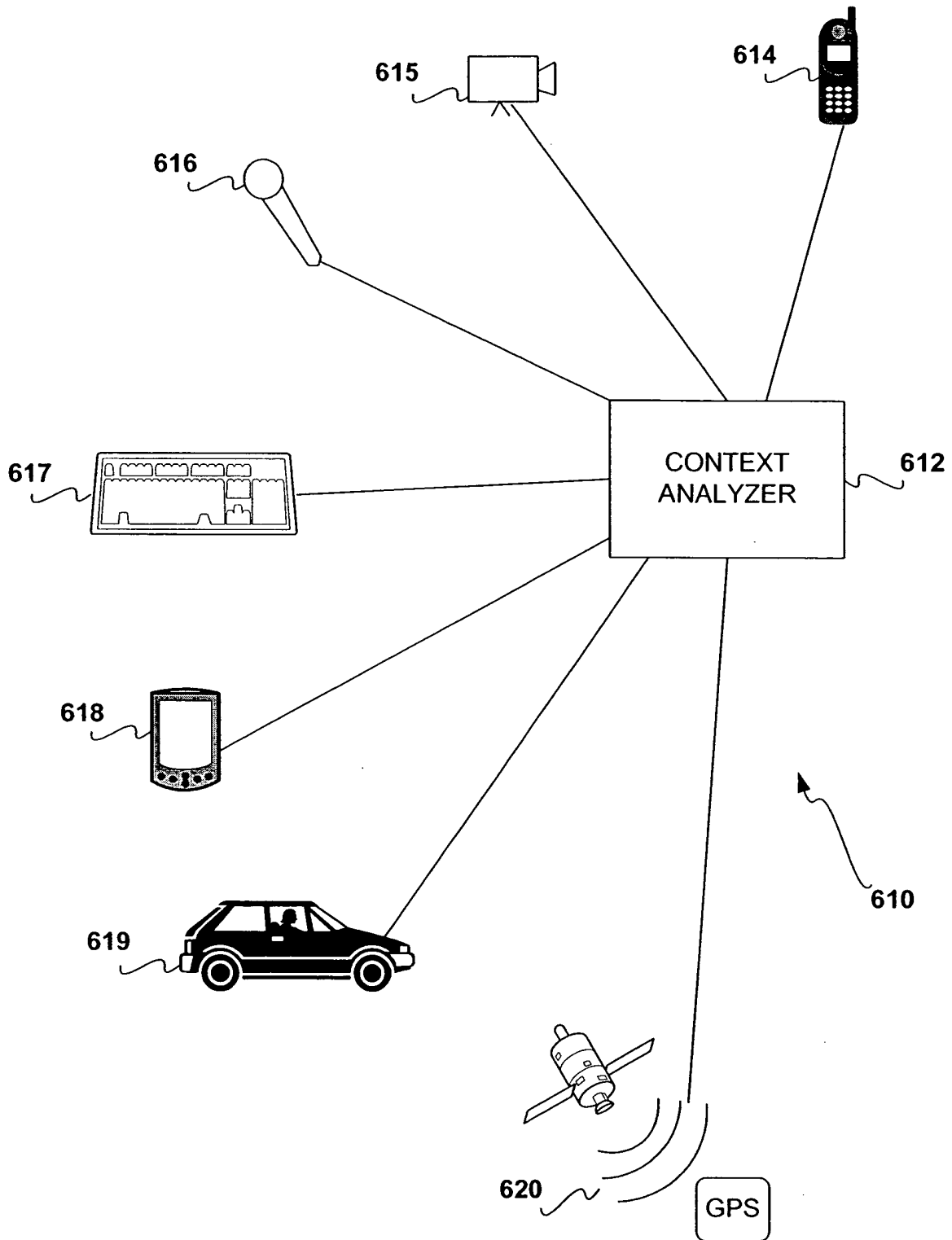


Fig. 30

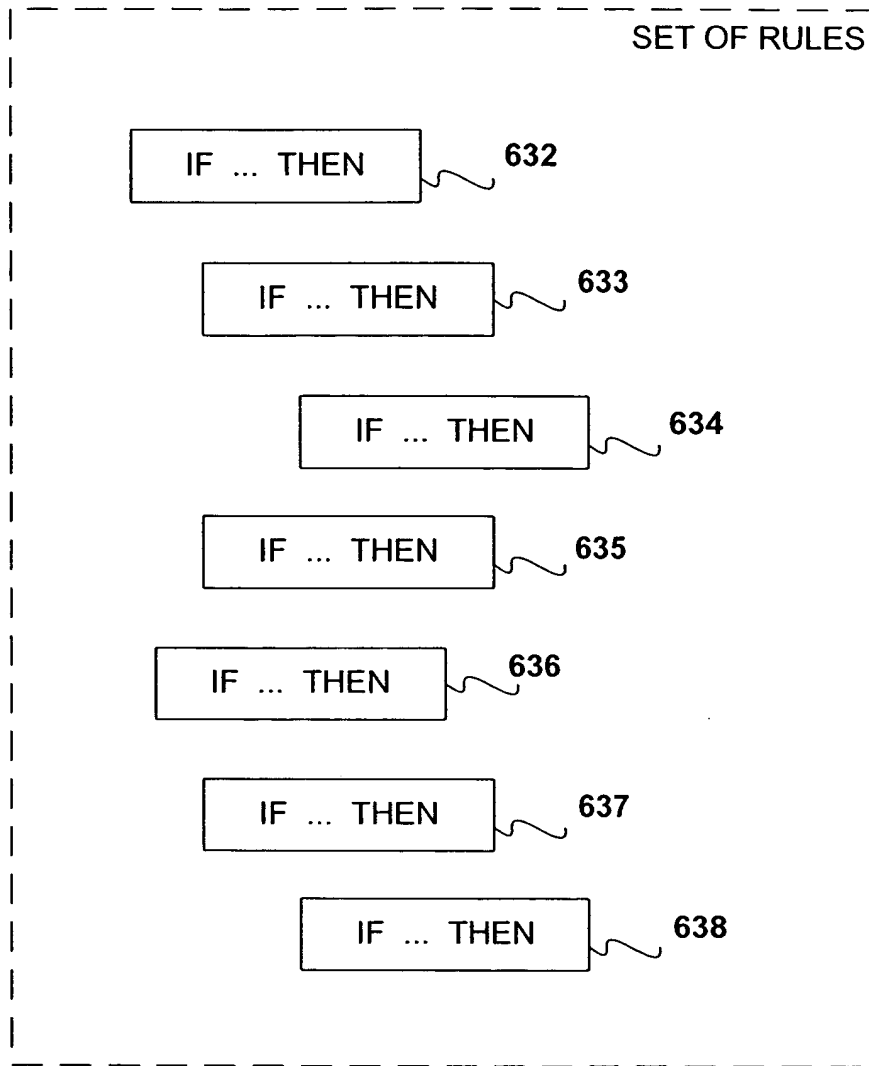


Fig. 31

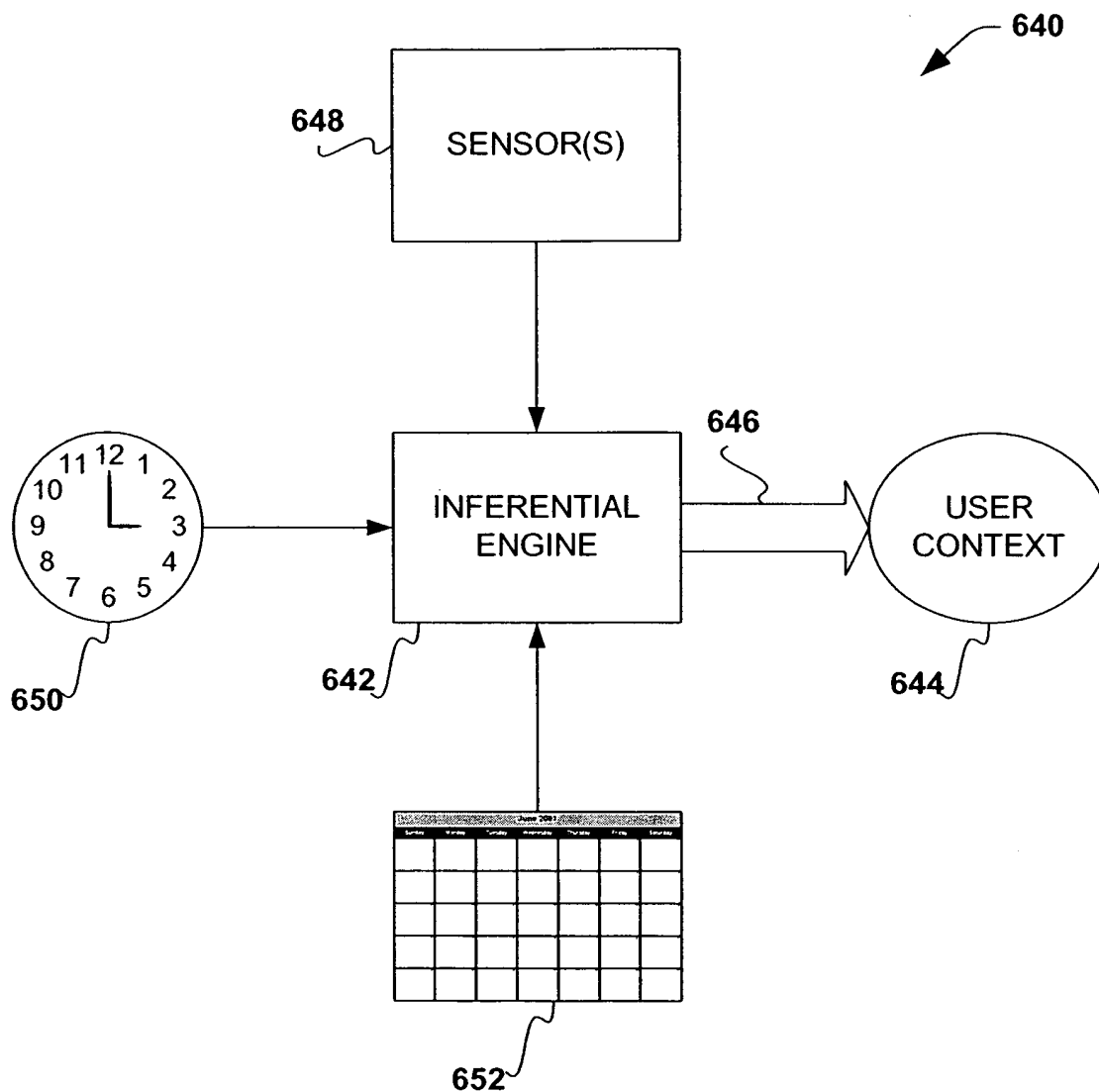


Fig. 32

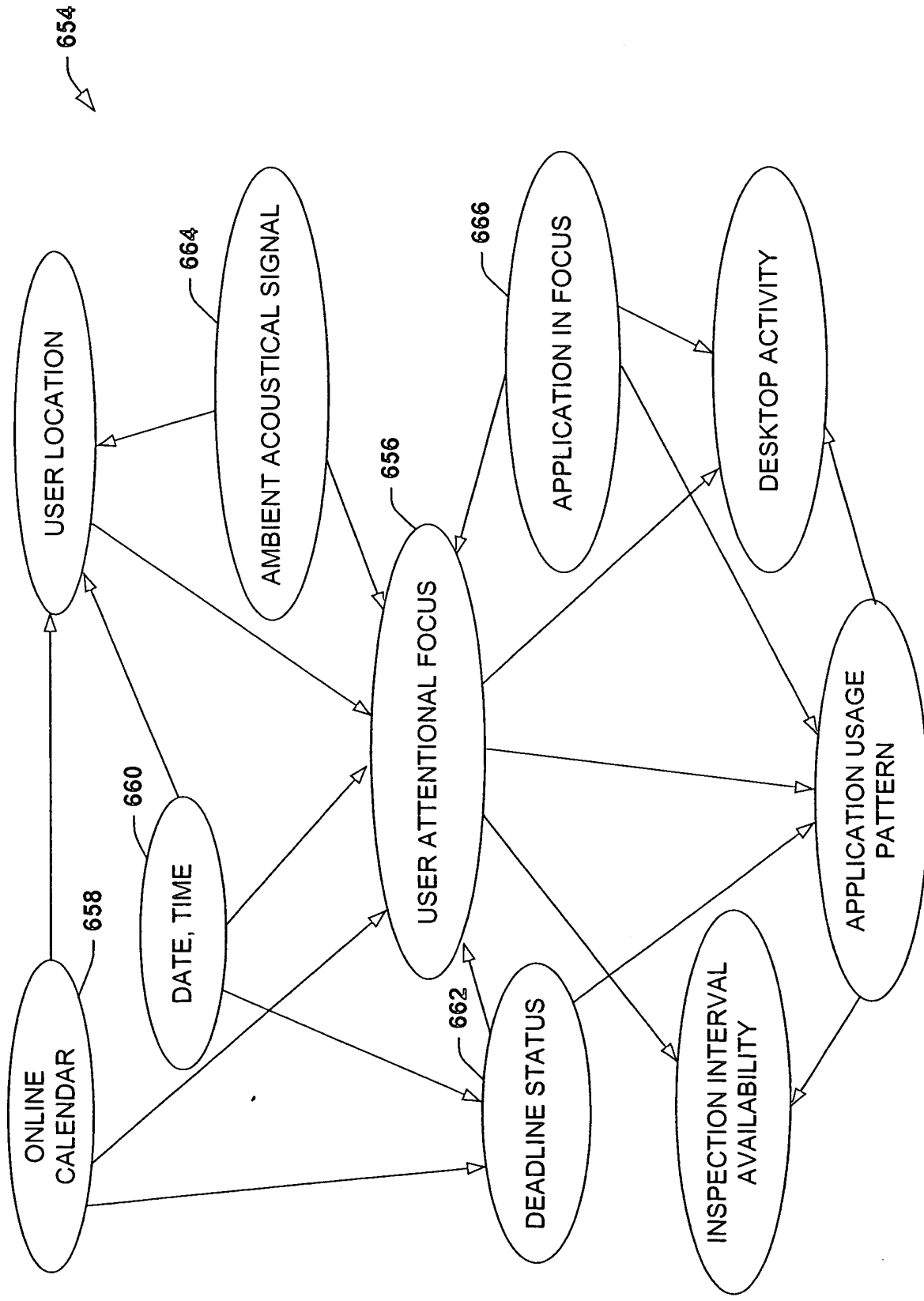


Fig. 33

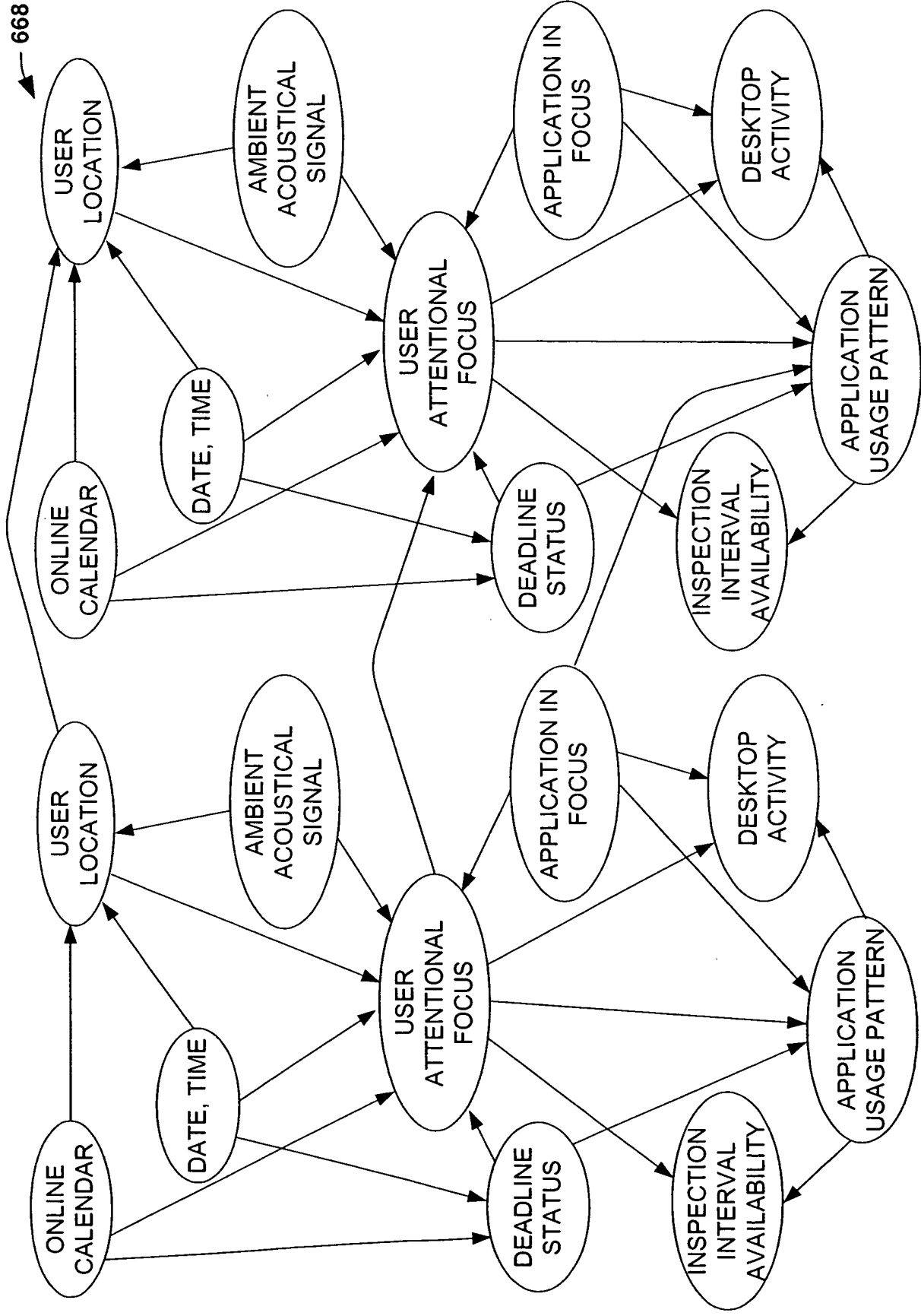


Fig. 34

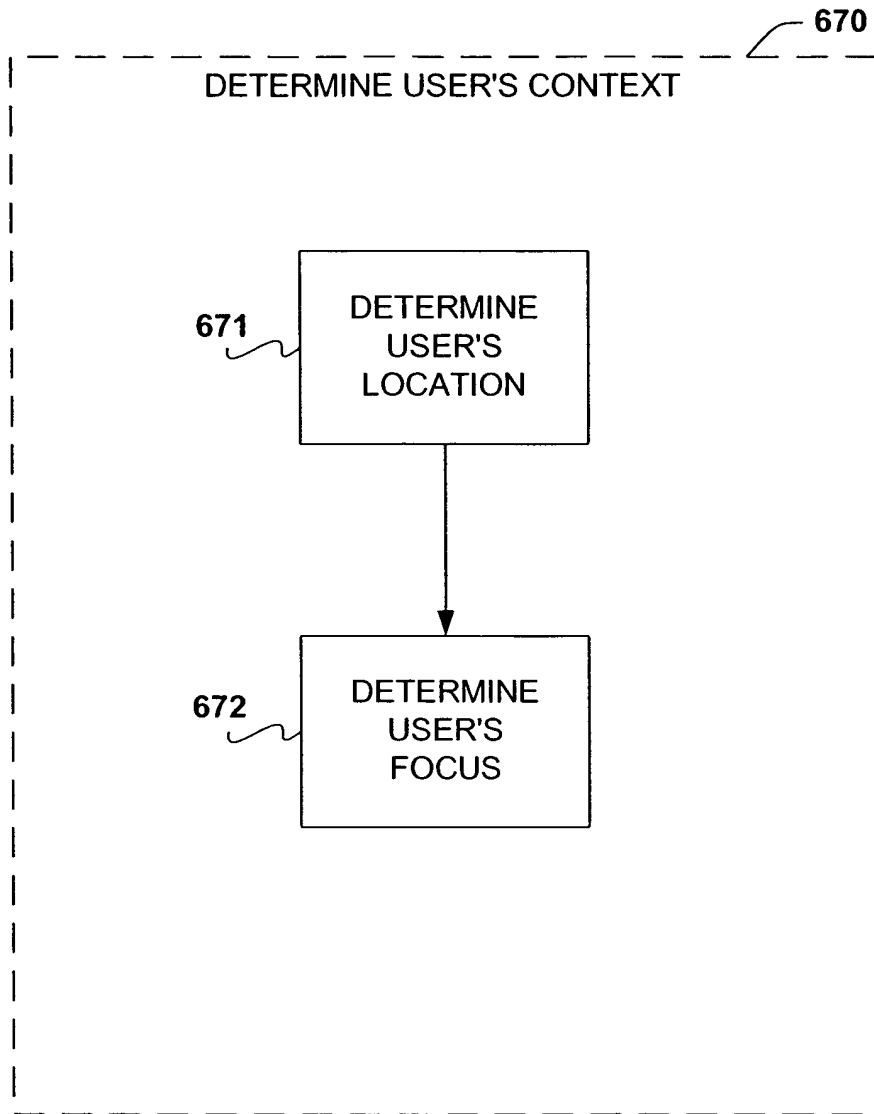


Fig. 35

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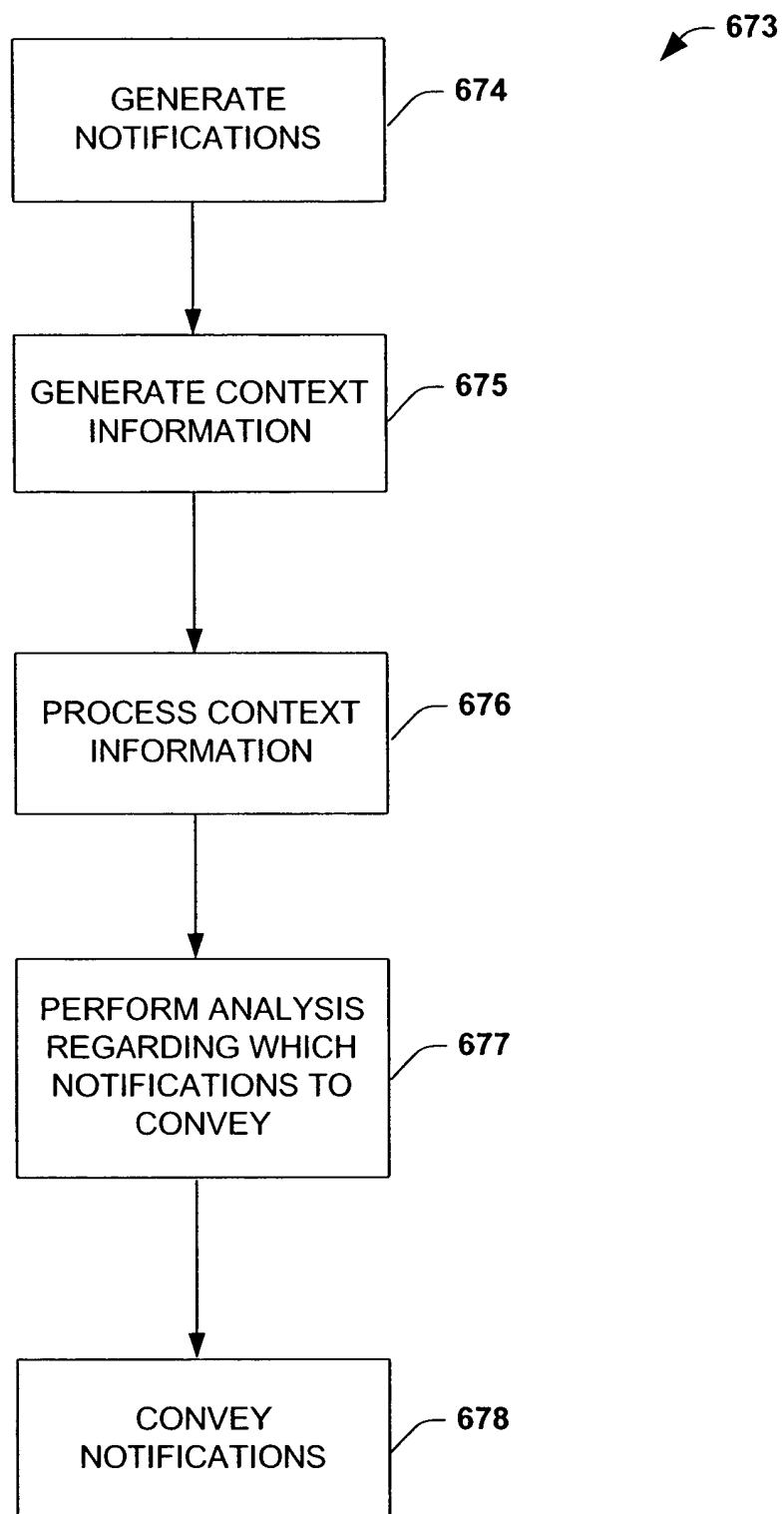


Fig. 36

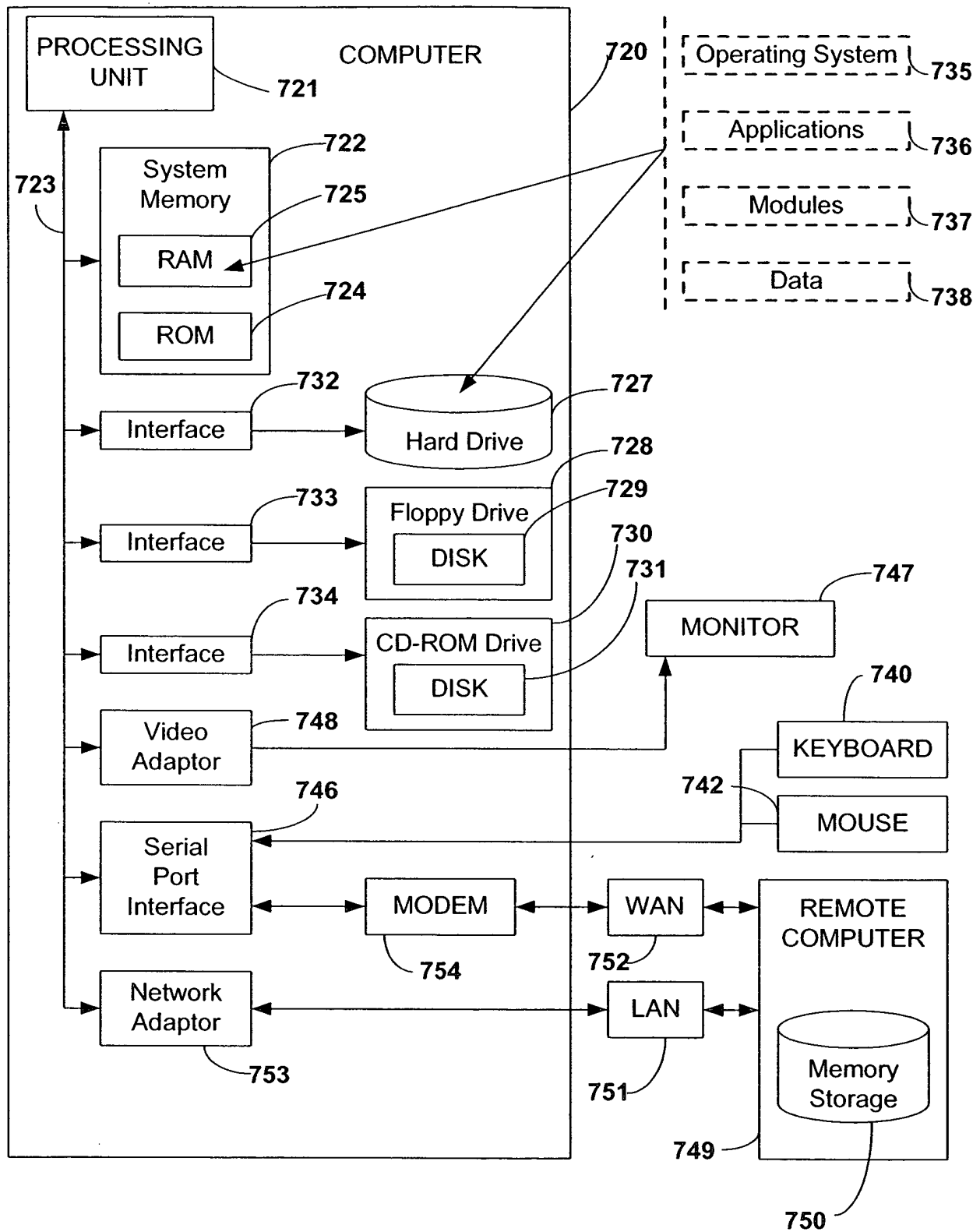


Fig. 37

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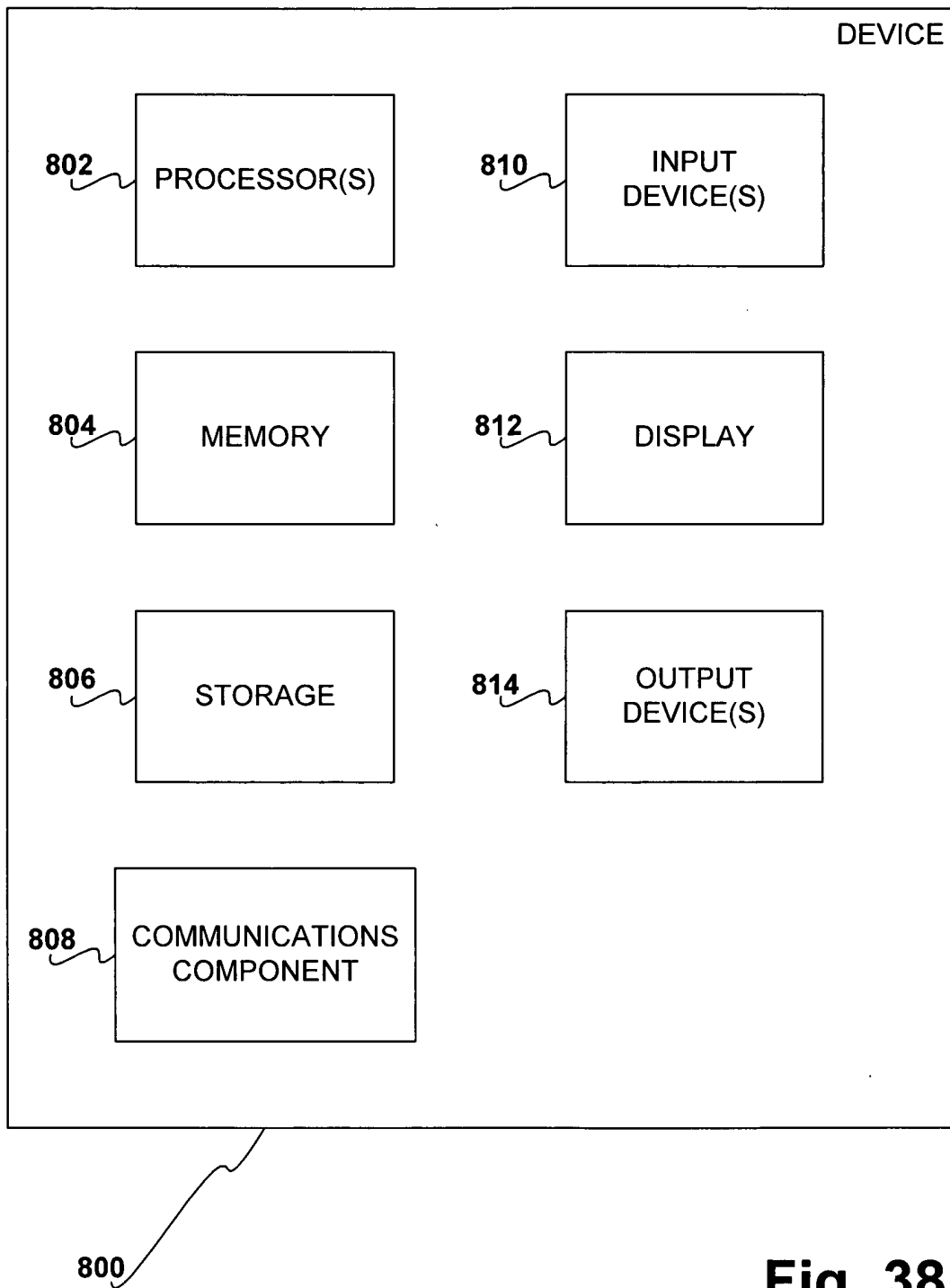


Fig. 38